

Danielle Fitzpatrick

From: Alison Guth
Sent: Thursday, October 21, 2004 10:46 AM
To: 'Amanda A. Avildsen'; 'Amanda Hill (amanda_hill@fws.gov)'; 'DougC@SCDNR.STATE.SC.US'; 'Ed Eudaly (Ed_Eudaly@fws.gov)'; 'Gina Kirkland'; 'Hal Beard'; 'Hansel.Joel@epamail.epa.gov'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@noaa.gov'; 'WadeB@SCDNR.STATE.SC.US'; 'dchristie@infoave.net'; 'TBebber@SCPRT.com'; 'Ronald.Mckitrick@FERC.gov'
Subject: Saluda Hydro Issues Workshops

Good morning,

We would like to cordially invite you to attend one of the Saluda Hydroelectric Project Relicensing Workshops that are to be held next week, October 26th, 27th, and 28th. Attached is an announcement that gives the locations and times of each event. We hope that everyone can make it to one of the sessions, as your opinions are very important to us! If you have any questions please feel free to give me a call, and if you know of anyone else in your office that might be interested in coming to these meetings, please pass this email along to them. Thanks!

Sincerely,
Alison Guth
Relicensing Technician
Kleinschmidt Associates
(803) 822-3177



Public workshops
release.doc (...)



FOR IMMEDIATE RELEASE

Oct. 18, 2004

Contact: Public Affairs
(800) 562-9308

Workshops planned for relicensing Saluda Hydro

Columbia -- Workshops designed to receive input from the public and governmental agencies on issues related to the relicensing of the Saluda Hydroelectric Project on Lake Murray are scheduled for later this month.

South Carolina Electric & Gas Co. (SCE&G) is offering the workshops as opportunities for the public to help identify issues of importance to them related to operations, economics and environmental considerations regarding the plant, whose license expires in 2010.

“We believe a critical element of the relicensing process will be the involvement of all who are interested in the future operation of the project,” said Jim Landreth, vice president of fossil and hydro operations for SCE&G. “We invite the public to attend the upcoming issues identification workshops to express their interests and share their opinions on the Saluda Project.”

Those attending the workshops will be given an overview of the relicensing process and there will be individual breakout sessions focusing on specific topics including fish and wildlife, water quality, project operations, recreation and land management.

Locations, dates and times for these workshops are as follows:

Oct. 26

American Legion Hut
108 South Rudolph Street
Saluda, SC
1 to 4 p.m.
6 to 9 p.m.

Oct. 27

Community Hall
1109 Main Street
Newberry, SC
1 to 4 p.m.
6 to 9 p.m.

Oct. 28

Saluda Shoals Park
5605 Old Bush River Rd.
Columbia, SC
1 to 4 p.m.
6 to 9 p.m.

- more -

“There is no cost to attend these workshops and the community’s involvement is greatly encouraged,” Landreth added. “We hope the public takes advantage of this opportunity to talk with SCE&G and others to identify issues related to Lake Murray and the Lower Saluda River and the relicensing of the Saluda Hydro Project.”

Kleinschmidt Associates, a consulting firm which specializes in providing engineering, regulatory management and environmental services to the energy and water resource industries, is coordinating the workshops for SCE&G. For more information or if you plan to attend one of the workshops, call 803-822-3177 or e-mail Alan.Stuart@KleinschmidtUSA.com or Alison.Guth@KleinschmidtUSA.com.

SCE&G is the largest subsidiary of SCANA Corporation, an energy-based holding company principally engaged, through subsidiaries, in electric and natural gas utility operations, telecommunications and other energy-related businesses. Information about SCANA and its businesses is available at www.scana.com.

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THE 20 SEP 2005 / By obtaining Lake Murray
water deep below the surface, SCE&G's
Sullivan Hydroelectric Station not only pro-
jects swimmers, boaters, fishing activities,
skiers, etc. it also sends very cool water
down the Saluda River. This benefit is most
noticeable on very warm days, & especially be-
hind Reverbank's Zoological Park, in the "Picnic
Grove" area with both shade trees & the
cool river water, a visitor can enjoy
what is probably the coolest, most comfortable
outdoor area anywhere in the Midlands - a big
plus for those with "cabin fever," A/C allergies, etc.
- Andy & Joe



CANDY HALL

ANDREW L HALL JR
1006C MARION ST APT C
COLUMBIA SC 29201-3708

TEL (803) 238-7839
21 SEP 2005
COLUMBIA SC 292



★ Kepschmidt Associates
Attn: Allison
101 Trade Fair Dr, Suite 21-A
W Columbia SC 29170

29170/9599
© USPS 2005

"Please raise the lake to 360 and leave it at that level. Obviously this depends on rainfall vs electric demand. I suggest you slow the flow at night when less electricity is being consumed. Slow the flow down so that the lake rises. Please do this and we will all be happy. Sincerely, Sean Hart rational thinker, and Duke of Chapin"

Lake level.txt

From: Richard.S.Kistner@gsk.com
Sent: Wednesday, February 09, 2005 12:01 PM
To: comments@SaludaHydroRelicense.com
Subject: Lake level

I would like to see SCE&G reduce the lake level fluctuation. The difference between winter and summer lake level is a considerable difference. It plays havok with my dock, causes me to be frightened to boat in the winter months (stumps and sandbars), upsets the entire ecosystem of the lake and shoreline (fish, animals and plants), and reduces the overall lake enjoyment by everyone. There are many lake in the southeast that seem to be able to keep the fluctuation to within a few feet, why not Lake Murray as well?

Lake Murray water level.txt

From: Dezzani, Michael M. [mike.dezzani@timken.com]
Sent: Saturday, February 19, 2005 11:16 AM
To: 'comments@saludahydrorelicense.com'
Subject: Lake Murray water level

I would like to express my opinion that 354 ft is excellent low water level for the winter draw down. Barring any unforeseen events (damn work, weed control, etc....), 354 ft should be the low water mark for the year. Thank you for taking the time to read my input.

Michael M. Dezzani
Plant Metallurgist
Timken
Tyger River Plant
Union SC

Ph (864) 466-1910
mike.dezzani@timken.com

This message and any attachments are intended for the individual or entity named above. If you are not the intended recipient, please do not forward, copy, print, use or disclose this communication to others; also please notify the sender by replying to this message, and then delete it from your system. The Timken Company / The Timken Corporation

Danielle Fitzpatrick

From: Alison Guth
Sent: Monday, March 07, 2005 11:23 AM
To: 'Richard.S.Kistner@gsk.com'
Subject: Your Saluda Hydro Relicensing Comment

Dear Mr. Kistner,

We would like to thank you for the comment that you submitted on February 9th. We have forwarded your comment to SCE&G and will make sure that it is entered into the relicensing record for consideration during this proceeding.

We hope that the website has aided in answering many of your questions regarding the Saluda Hydro relicensing. We also suggest that you make frequent visits to the website, as this will be our primary source for the distribution of important information as the process continues.

Thank you again for your participation in the relicensing process of Saluda Hydro.

Kleinschmidt
Water Resource Consultants



Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Danielle Fitzpatrick

From: Alison Guth
Sent: Monday, March 07, 2005 11:18 AM
To: 'Michael Kletter'
Subject: Your Saluda Hydro Relicensing Comment

Dear Mr. Kletter,

We would like to thank you for the comment that you submitted on March 2. We have forwarded your comment to SCE&G and will make sure that it is entered into the relicensing record for consideration during this proceeding.

We hope that the website has aided in answering many of your questions regarding the Saluda Hydro relicensing. We also suggest that you make frequent visits to the website, as this will be our primary source for the distribution of important information as the process continues.

Thank you again for your participation in the relicensing process of Saluda Hydro.

Kleinschmidt
Water Resource Consultants



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Licensing Coordinator
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West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Danielle Fitzpatrick

From: Patrick Moore [PatrickM@sccl.org]

Sent: Tuesday, March 15, 2005 4:59 PM

To: BARGENTIERI@scana.com; tbeber@scprt.com; bellsteve9339@bellsouth.net; ahler@dnr.sc.gov; ddoniphan@bellsouth.net; Jessicablanks@hotmail.com; Royparker38@earthlink.net; mwaddell@attglobal.com; woerner@bu.edu; Malcolml@gwm.sc.edu; bigbillcutler@aol.com; RMAHAN@scana.com; Bill_Hulslander@nps.gov; ceegggers@gmail.com; lakejake@usit.net; jeff_duncan@nps.gov; wkirby@bellsouth.net; kakustafik@columbiasc.net; torres@geol.sc.edu; tchandler@sc.edu; ssummer@scana.com; edurr@environ.sc.edu; ocainb@msn.com; crafton@usit.net; cstow@sc.edu; Cheetahrk@yahoo.com; tyle6544@bellsouth.net; kayakduke@msn.com; Alison Guth; KDow@sc.edu; kirbywbb@bellsouth.net; BKAGrammy@aol.com; reskkeener@pbtcomm.net; ddoniphan@bellsouth.net; Johnsentell@saludatu.org; Alan Stuart; norm@sc.rr.com; keithcloud@yahoo.com

Subject: Workshop Feedback

Hello Workshop participants,

I wanted to write and thank you all for coming to the March 12 workshop. I have attached a feedback form that we forgot to include in your workshop packets. Please take a minute to fill it out and shoot it back to me so we can make the next workshop even better and keep you involved in the relicensing process.

Thanks again for your interest,

Patrick Moore
Rivers Program
CCL

Saluda Dam Relicensing Workshop
May 12, 2005

Feedback Form

Name _____

Email _____

Address _____

City _____ Phone

Has this workshop been informative and do you have any suggestions on how it could have been improved?

Would you like to receive any additional materials?

Would you like to receive additional information on citizen involvement in the Saluda Dam relicensing process?

Do you have any questions about relicensing? Please list.

Please complete this form and turn it in today!!

Danielle Fitzpatrick

From: Alison Guth
Sent: Monday, May 09, 2005 11:16 AM
To: 'Courtney_Taylor/HQ/SOL/DOI?L@ios.doi.gov'
Subject: SCE&G Saluda Hydro Relicensing

Good morning,

South Carolina Electric & Gas Company has started the process of relicensing their Saluda Hydroelectric Project (FERC No. 516) and you are on the mailing list for the Initial Consultation Document. However, the address that I have is not sufficient, and the package has been returned to us. Could you provide me with a new shipping address? The one that I currently have is as follows:

Courtney Taylor
United States Department of Interior
1849 C St NW # MS6546
Washington, DC 20240-0001

Thanks so much, and we look forward to working with you through this relicensing process.

Sincerely,
Alison Guth

Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Cheryl Balitz

From: Prescott Brownell [Prescott.Brownell@noaa.gov]
Sent: Tuesday, May 10, 2005 8:48 AM
To: Alison Guth
Subject: Re:

Alison Guth wrote:

> Good morning Prescott,
> I hope you are doing well and have had a good weekend. I hope that
> you received the ICD that we sent out last Friday. I have actually
> had some problems mailing the ICD to another NOAA address from the
> mailing list and was wondering if you could help me out. I have been
> on the NOAA website, however, I could not locate the information that
> I needed. The address we have is as follows:

>

> Chief

> National Oceanic & Atmospheric Admin.
> 14th & Constitution Ave N. W. RM. 6117
> Ecology and Conservation Office - HCHB SP
> Washington, DC 20230-0001

>

> Thanks so much for your help and I hope to hear from you soon.

>

> Sincerely,
> Alison Guth
> Licensing Coordinator
> /Kleinschmidt Associates/
> /101 Trade Zone Drive/
> /Suite 21A/
> /West Columbia, SC 29170/
> /P: (803) 822-3177/
> /F: (803) 822-3183/

>

>

>

Hello Alison,
like you, I searched all over the NOAA Fisheries website and could find
no address. I will call and get one for you....stand by

Prescott

From: BillReamerCPA@aol.com

Sent: Monday, June 20, 2005 11:08 AM

To: comments@saludahydrorelicense.com

Subject: PUBLIC SAFETY ISSUES

Drownings and river rescues will continue on the Saluda River until SCE&G acts like a responsible neighbor and establishes planned releases from the Saluda-Hydro plant.

It is my opinion that tourism could grow from this valuable asset, the Saluda River.

However, the "at your own risk" use of the river now is extremely dangerous, unpredictable and eliminates the river as a focus of recreational use. Furthermore, the siren and light warnings continue to go off when there is a "change" in river levels, up or down. Therefore, they are not adhered to because they often cry wolfe. That would be the first step to provide for the safety and well-being of the public utilizing the river for recreation.

In my opinion, SCE&G could eliminate itself from future legal actions for drownings if they would simply print in the paper daily yesterday's CFS releases and today's CFS releases.

If SCE&G would act like a responsible neighbor, concerned about the well-being of the general public, it would run the generators on scheduled release dates (ie. Tuesday and Thursday afternoons) to provide planned recreation on the river that would be safer and more usefull than it is today.

Danielle Fitzpatrick

From: Alison Guth
Sent: Monday, June 20, 2005 11:18 AM
To: 'BillReamerCPA@aol.com'
Subject: RE: PUBLIC SAFETY ISSUES

Dear Mr. Reamer,

We would like to thank you for the comment that you submitted on June 20th. We have forwarded your comment to SCE&G and will make sure that it is entered into the relicensing record for consideration during this proceeding.

We hope that the website has aided in answering many of your questions regarding the Saluda Hydro relicensing. We also suggest that you make frequent visits to the website, as this will be our primary source for the distribution of important information as the process continues.

Thank you again for your participation in the relicensing process of Saluda Hydro.

Kleinschmidt

Water Resource Consultants

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

-----Original Message-----

From: BillReamerCPA@aol.com [mailto:BillReamerCPA@aol.com]
Sent: Monday, June 20, 2005 11:08 AM
To: comments@saludahydrorelicense.com
Subject: PUBLIC SAFETY ISSUES

Drownings and river rescues will continue on the Saluda River until SCE&G acts like a responsible neighbor and establishes planned releases from the Saluda-Hydro plant.

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Danielle Fitzpatrick

From: Malcolm Leaphart [malcolml@mailbox.sc.edu]
Sent: Tuesday, July 19, 2005 11:41 AM
To: Alison Guth
Subject: Workshops

Alison, I filled out the forms and left them at the June 16 meeting for the following 3 workshops:

Fisheries

Water Quality

Recreation

I spoke to Alan when I gave them to him and we discussed that it was difficult at this time to know what exactly would be involved and whether I could handle all 3; but, that is the plan until more details are forthcoming. I received additional forms by mail, however, and passed those on to the Saluda River Chapter of Trout Unlimited - but did not complete any more for myself. Please confirm that I am registered from the forms on June 16 for the above three as the representative for the SC Council of Trout Unlimited. Thanks...

Danielle Fitzpatrick

From: Bill Marshall [MarshallB@dnr.sc.gov]
Sent: Wednesday, July 20, 2005 11:18 AM
To: Malcolm Leaphart; Alison Guth
Subject: RE: Workshops ...and Saluda River corridor plans

Malcolm and Alison -

FYI: The Lower Saluda River corridor plans, the original from 1990 and the update of 2000, are both on the DNR website as LARGE .pdf files. They are listed on the webpage -- <http://www.dnr.state.sc.us/etc/conservation.html> near the bottom under Publications.

They can also be accessed directly at....

<http://www.dnr.state.sc.us/water/envaff/river/LowerSaludaPlanComplete.pdf>

<http://www.dnr.state.sc.us/water/envaff/river/LowerSaludaUpdateComplete.pdf>

I think the first plan will open with Acrobat Reader v. 5 or 6 and the Update plan requires Acrobat Reader v. 6

Bill Marshall
S.C. Department of Natural Resources
1000 Assembly Street, Suite 354
Columbia, SC 29201
(803) 734-9096
marshallb@dnr.sc.gov

-----Original Message-----

From: Malcolm Leaphart [mailto:malcolml@mailbox.sc.edu]
Sent: Wednesday, July 20, 2005 10:03 AM
To: Alison Guth
Cc: Bill Marshall
Subject: RE: Workshops

Alison,

Many of the resource and citizens comments during relicensing will refer to the "Lower Saluda River Corridor Plan". This plan was a joint effort by by SC PRT and the SC DNR, Water Resources Division and copies should still be available from Bill Marshall - marshallb@dnr.sc.gov 734-9096. It would be very helpful in you could be sure that the original plan from July, 1990 and the updates from a 'charrette' in the late 90's are both included in project 'documentation', including maybe even posting on the relicensing website or some other easily accessible medium?

Also, the "Oxygen Dynamics" study by Dr. Hank McKellar done in 1988 jointly for SC DNR, SC DHEC and Trout Unlimited is an extremely important work on which much research has been based since. Bill can probably help with a copy of that and it too would be a great addition as a documented reference during the relicensing process.

Thanks.

Quoting Alison Guth <Alison.Guth@KleinschmidtUSA.com>:

> Goodmorning Malcolm,

>

> Yes, I want to assure you that you are indeed signed up for all three
> workshops. I am keeping track of everyone who has signed up, whether
> it be from the meeting on the 16th or via mail, and as of now there
> are still individuals sending in forms. Alan and I are currently

> working on the details involved with the meetings, but you should here

> something from me in the near future. Thanks for your interest and
> please feel free to email me with anymore questions that you might
have.

>
> Sincerely,
> Alison
>
>
> Alison Guth
> Licensing Coordinator
> Kleinschmidt Associates
> 101 Trade Zone Drive
> Suite 21A
> West Columbia, SC 29170
> P: (803) 822-3177
> F: (803) 822-3183
>
>
> -----Original Message-----
> From: Malcolm Leaphart [mailto:malcolml@mailbox.sc.edu]
> Sent: Tuesday, July 19, 2005 11:41 AM
> To: Alison.Guth@KleinschmidtUSA.com
> Subject: Workshops
>
>
> Alison, I filled out the forms and left them at the June 16 meeting
> for the following 3 workshops:
> Fisheries
> Water Quality
> Recreation
> I spoke to Alan when I gave them to him and we discussed that it was
> difficult at this time to know what exactly would be involved and
> whether I could handle all 3; but, that is the plan until more details

> are forthcoming. I received additional forms by mail, however, and
> passed those on to the Saluda River Chapter of Trout Unlimited - but
> did not complete any more for myself.
> Please
> confirm that I am registered from the forms on June 16 for the above
> three as the representative for the SC Council of Trout Unlimited.
> Thanks...
>
>

Danielle Fitzpatrick

From: Alison Guth
Sent: Friday, August 12, 2005 9:29 AM
To: 'Bob Seibels'
Subject: RE: Resource Conservation Group committee interest.

Mr. Seibels,

I would be happy to place you in the Resource Conservation Groups, they should be getting started sometime in September. You are more than welcome to join as many groups as you feel you can handle, however if your major concerns are regarding RTE species then I think your topics would be best addressed in the Fisheries and Wildlife Group. Let me know if this sounds good to you and I will add you to the list. Thanks so much.

Alison
Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

-----Original Message-----

From: Bob Seibels [mailto:bseibels@riverbanks.org]
Sent: Friday, August 12, 2005 9:18 AM
To: alison.guth@kleinschmidtUSA.com
Subject: Resource Conservation Group committee interest.

Hello Alison,

I am interested in being involved with the committee (Operations?) responsible for Endangered/Threatened animal species conservation during the Saluda Hydro relicensing project. My personal information is provided below.

Thanks,

Bob Seibels

Robert E. Seibels

Curator of Birds

Riverbanks Zoological Park & Botanical Garden

PO Box 1060

Columbia, SC 29202

Phone: 803.779.8717 x1109

Fax: 803.253.6381

E-mail: bseibels@riverbanks.org

Danielle Fitzpatrick

From: Alison Guth
Sent: Monday, August 15, 2005 11:38 AM
To: 'bellsteve9339@bellsouth.net'
Subject: RE: Friday Meeting

Okay Steve, I will forward this to Alan, Thanks!

-----Original Message-----

From: bellsteve9339@bellsouth.net [mailto:bellsteve9339@bellsouth.net]
Sent: Monday, August 15, 2005 11:34 AM
To: Alison Guth
Cc: bellsteve9339@bellsouth.net
Subject: Re: Friday Meeting

Hi Alison- We want to keep the group small so here is our invite list. Gerrit will be the group's spokesman.

Gerrit Jobsis- American Rivers, Patrick Moore- Coastal Conservation League, Bill Cutter- negotiatins consultant, Steve Bell-Lake Watch, Larry Michelec- Lake Murray Homeowners Coalition, Susan Rhodes- SCWF, Ron Ahle-DNR, Mary Kelly- League of Women voters.

>
> From: Alison Guth <Alison.Guth@KleinschmidtUSA.com>
> Date: 2005/08/15 Mon AM 11:12:22 EDT
> To: "'bellsteve9339@bellsouth.net'" <bellsteve9339@bellsouth.net>
> Subject: Friday Meeting
>
> Steve,
>
> In response to your questions, I just talked with Alan, the meeting
> Friday, August 19th will be in the 13th floor Conference Room of
> SCE&G's Palmetto Center, downtown. The meeting will start at 10:00
> and include Randy Mahan, Bill Argentieri and Alan. Let me know if you
> have any further questions. Thanks, Alison
>
> Alison Guth
> Licensing Coordinator
> Kleinschmidt Associates
> 101 Trade Zone Drive
> Suite 21A
> West Columbia, SC 29170
> P: (803) 822-3177
> F: (803) 822-3183
>
>
>

Danielle Fitzpatrick

From: Alison Guth
Sent: Monday, August 29, 2005 9:44 AM
To: Shane Boring
Subject: FW: Study Requests Doc.

-----Original Message-----

From: Alison Guth
Sent: Friday, August 26, 2005 4:10 PM
To: 'ARGENTIERI, WILLIAM R'
Cc: Alan Stuart
Subject: Study Requests Doc.

Hey Bill,

Attached is the completed document containing Study, Information and Mitigation requests. I was not sure who exactly to send it to, so I will let you disseminate it to the right individuals. I hope you have a good weekend and I will see you on Monday. ~ Alison



Saluda Hydro
Project Public-Ag...

[Alison Guth](#)
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Saluda Hydro Project Relicensing

Public/Agency Study and Additional Information Requests Catalogue

8/25/05 ACG

Study Requests:

Similar studies grouped together

1. **A Maintenance/Emergency Protocol Study:** Requested in order to “develop a protocol for handling standard maintenance and emergencies on the project site that will meet the needs of SCE&G and protect public values to maximum extent possible. The study should explore how to minimize impacts to water quality and recreation when performing routine maintenance and dealing with emergency conditions such as floods or inclement weather.”

Requested by: CCL/American Rivers

2. **Safety and Warning System Studies:** Request of studies to improve the water level rise safety warning systems on the LSR, as well as implementing additional measures to improve safety. It is requested that SCE&G “should examine various types of warning systems at all sites used by the public for recreation” and “should include the amount of time required for various volumes of release to reach the recreation sites to give an idea of exactly how much time river users have to react. The study should also examine signs, lights and other visual warnings as well as horns or sirens to meet the needs of river users of all abilities.”

Requested by: CCL/American Rivers, Lake Watch, Lower Saluda Scenic River Advisory Council (LSSRAC), S.C. Parks Rec and Tourism, SC Council Trout Unlimited

3. **Ramping Study:** It was requested that the ramping of Project releases should be studied and potentially implemented, particularly during periods of high recreational use of the river.

Requested by: American Whitewater, City of Columbia Parks and Recreation, LSSRAC

4. **Public Information System Study:** Request of studies in order to explore and decide the best way to disseminate Project operations information to river users as well as decide what information to release. The study is suggested to explore which mode of communication would benefit the largest amount of people whether it be through the use of toll free telephone lines, kiosks, brochures or the internet. CCL/Am. Rivers suggests that the public information system should include “an annual schedule of minimum flow requirements, recent rainfall, weekly forecasts of expected operations, real-time operations and flow information, and other useful information. The information should include what rapids require what levels of paddling expertise at different water levels and include warnings about dangers present in varying flow scenarios. The study should examine in what languages other than English the information should be published, such as Spanish.”

Saluda Hydro Project Relicensing
Public/Agency Study and Additional Information Requests Catalogue

8/25/05 ACG

Requested by: CCL/American Rivers, City of Columbia Parks and Recreation, Lake Watch, River Runner Outdoor Center

5. **Water Quality Studies:** Request of studies in order to assess the effects of Project operations on water quality, and consequently the aquatic habitat in the lake and river segments. Suggested studies include those to determine the effectiveness of newly installed hub baffles, TMDL's in Lake Murray, effects of project operations on summer habitat for striped bass including mitigative measures for fish kills, effects of operations on water temperature as affecting the spawning and recruitment of diadromous and riverine fish in the Saluda and Congaree rivers, and the effects of D.O. and water temperature on mussel populations in the LSR and Congaree. SCDNR recommends that water quality models be developed to identify any relationships between point and non-point pollutants and operations. The Lake Murray Association (LMA) and Lake Murray Homeowners Coalition (LMHC) specifically request information to be collected on cove water quality. The League of Women Voters suggests that water quality studies also include a facet on the impacts of power boats and jet skis on drinking water quality.

Requested by: CCL/American Rivers, American Whitewater, City of Columbia Parks and Recreation, SCDNR, LMA, LMHC, League of Women Voters, LSSRAC, National Marine Fisheries Service, S.C. Parks Rec and Tourism, SC Council Trout Unlimited, USFWS

6. **Sediment Regimen and Sediment Transport Studies:** A request has been made that a study be performed on the sediment regimen in the Project area as well as the Project effects on the sediment regimen of the lower Saluda River. Should include such things as sediment composition, bedload movement, gravel deposition, sediment storage behind dams, and bedload changes below the dam; and project effects on downstream geomorphometry, sediment availability and streambank erosion, and the possible addition of gravel to mitigate for project impacts. Also, the effects of the Project operations on habitat requirements for spawning fishes.

Requested by: CCL/American Rivers, USFWS

7. **Reservoir Level Study:** Lake level fluctuation as it pertains to aquatic habitat, downstream flows, and recreation. More specifically the effects of drawdown on recreational boating, the ability to release downstream flows using a hydrologic/operations a model including effects of inundation patterns on the Congaree. A look at the effects of yearly lake level fluctuations on the Saluda and Congaree as well as the Congaree National Park. Also, to evaluate potential seasonal target elevations for Lake Murray that attempt to balance all related interest, including lakeside homeowners, municipal water users, environmental interests, power production capabilities, and downstream river users.

Requested by: CCL/American Rivers, City of Columbia Parks and Recreation, LSSRAC

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8. **Year-round 354' Elevation Feasibility Study:** To determine the feasibility of a 354' elevation as the minimum year round lake level for Lake Murray.

Requested by: LMA

9. **Drawdown Impacts Study:** Requested in order to determine the impacts that lake drawdowns pose on public safety, economics, recreation, erosion, sedimentation and other resources.

Requested by: LMHC

10. **Instream Flow Studies:** Requested for the Saluda River and the Confluence area. An assessment on how Project operations affect stream flows, and which flow regimens would best meet the needs of the biota.

Requested by: CCL/American Rivers, City of Columbia Parks and Recreation, SCDNR*, LSSRAC, National Marine Fisheries Service, SC Council Trout Unlimited, USFWS

**[IFIM requested by SCDNR in lieu of implementing an instantaneous flow of at least 470 cfs needed to support one-way downstream navigation, and flows of 590 cfs (July – November), 1170 cfs (Jan-April), and 880 cfs (May, June and December) to provide seasonal aquatic habitat]*

11. **Ecologically Sustainable Water Management (ESWM):** Described by the National Park Service as a “inclusive, collaborative, and consensus-based process to determine a scientifically based set of river flow prescriptions in order to protect downstream resources while balancing upstream benefits.” The NPS notes that they believe this process can be readily adapted to the Saluda Project and have already began gathering information and developing an interactive GIS tool to provide information regarding the effect of various Saluda operational scenarios on the degree of inundation at the Congaree National Park. NPS seeks “partnership” with SCE&G as well as stakeholders in implementing this ESWM process.

Requested by: National Park Service

12. **Comprehensive Habitat Assessment:** To provide quantitative and qualitative data in GIS format of available and potential spawning, rearing, and foraging habitats (i.e., riffles, shoals, open water, shallow coves, littoral zones) for diadromous and resident fishes in Lake Murray, the Saluda River and its major tributaries, and the Lower Saluda River below the Project.

Requested by: National Marine Fisheries Service, USFWS

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13. **Floodplain Flow Evaluations:** A study was requested in order to evaluate the flows necessary for incremental levels of floodplain inundation for the Congaree River/Congaree National Park. It is requested that it include an inventory of floodplain vegetation as well, in order to classify and characterize the vegetative species composition and structure of the floodplain areas within the zone of operational influence of the river reaches.

Requested by: CCL/American Rivers (requested floodplain inundation study as well as floodplain vegetation component), LSSRAC (requested floodplain vegetation component only) National Park Service

**In relation to this study, SCDNR requests that the hydrologic record associated with the operation of the project be compared to the unregulated hydrology that would have occurred under a natural flow regime over the life of the project. Including an estimate of the timing, duration and magnitude of flood events that occurred and that would have occurred in absence of the project.*

14. **Temperature Analysis – Downstream Affects:** This request entails providing an analysis of the effects of the temperature of discharges from the Saluda Dam on downstream habitats including: (1) An analysis that determines the travel distance downstream to effectuate completion of temperature mixing in the Congaree River; (2) an evaluation of the affects to species and habitats within the downstream Congaree National Park; (3) an evaluation of the affects to upstream migrating diadromous fish.

Requested by: USFWS

15. **Hydrologic/Hydraulic Operations Model:** Requested development of a computer simulation model that incorporates the operating characteristics of the Saluda Hydro Project. The model would be capable of simulating the Project's operations using specific hydraulic relationships based on inflows from all drainages to Lake Murray ending downstream in the Congaree River floodplain. The model would also include water flows in the Broad River above its confluence with the Saluda to accurately model combined flow conditions at the confluence and in the Congaree River.

Requested by: LSSRAC

16. **Low Inflow Protocol Study:** Requested study to evaluate the effects of periods of low flow on elements such as reservoir levels, water availability, river flora and fauna habitat, etc. Study leading to the development of a low flow operations plan for the Project. According to the City of Columbia Parks and Recreation, this study should include the development of a "Hydrologic/Hydraulic Operations Model"

Requested by: CCL/American Rivers, City of Columbia Parks and Recreation, LSSRAC

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17. **Diadromous Fish Studies:** Study requests from the CCL/American Rivers focused on a more in depth analysis of habitat conditions, feasibility of hatchery operations for diadromous fish, impacts analysis of the Project on diad. fish stocks of the Santee-Cooper Basin, the feasibility and costs of fish passage at the Project. SCDNR requests that spawning and nursery habitat for diadromous fish species in the river and lake should be identified and quantified.

Requested by: CCL/American Rivers, SCDNR, LSSRAC, National Marine Fisheries Service, USFWS

18. **Mussel Surveys:** It was requested that the present status of mussels in the project area should be evaluated, their habitat needs assessed, and any project impacts on habitat be identified. CCL requests an evaluation of the cumulative impact analysis that the Project has on mussel stocks in the Santee Cooper Basin.

Requested by: CCL/American Rivers, SCDNR, LSSRAC, USFWS

19. **Benthic Macroinvertebrate Study:** Requested in order to determine if invertebrate fauna have increased in either number or species diversity as a result of turbine venting. As well as how far downstream they are impacted.

Requested by: SCDNR, LSSRAC, National Marine Fisheries Service, SC Council Trout Unlimited, USFWS

20. **Fish Community Surveys:** It was requested that these surveys be performed and include small non-game species in the Saluda River above and below the reservoir as well as in Lake Murray, to supplement existing fish community data and/or replace dated information. Specific sampling focused on determining presence or absence of the rare robust redhorse sucker, Carolina sucker, and the highfin carpsucker should be conducted in the lower Saluda River.

Requested by: USFWS

21. **Fish Entrainment Desktop Study:** This study would include conducting a desktop study of potential entrainment using previous studies conducted at other similar facilities. The objectives of the study should be to (1) quantify the numbers and sizes of fish entrained, by species, (2) estimate mortality rates associated by species, and (3) provide recommendations for project design and operation that can reasonably be made to prevent or minimize fish entrainment and associated injury/mortality.

Requested by: SCDNR, National Marine Fisheries Service, USFWS

22. **Aquatic Habitat Decline Model:** In order to understand the reasons and contributing factors of seasonal habitat decline associated with the combination of

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increasing water temperature and decreasing dissolved oxygen. Thus resulting in a decrease in available cool-water habitat for some species. This model would be developed to better understand the causative factors that result in habitat declines, and to evaluate scenarios that could reduce or eliminate this problem.

Requested by: SCDNR

23. **Striped Bass Evaluations:** This study would involve an evaluation of project operations on the reservoir striped bass population, particularly regarding: (1) the effectiveness of current turbine operations, (2) potential additional enhancements in association with the summer thermocline near the powerhouse; and (3) determine if striped bass migrate upstream of the project within the Saluda River during the spring spawning season, and if and where spawning activities occur.

Requested by: USFWS

24. **A Study to Determine the Factors Needed for a Self Sustaining Trout Fishery:** The purpose of this study should be to determine the factors needed for a self sustaining trout fishery that can reproduce and thrive year round, and how the operation can be modified to meet the habitat needs. Dissolved oxygen, flows, spawning and rearing habitat, the aquatic food base, especially in the shallow, rocky foraging areas, and actual water chemistry should be key items in such an assessment.

Requested by: SC Council Trout Unlimited

25. **Rare Threatened and Endangered Species/Habitat Studies:** A study was requested to assess the condition of rare threatened and endangered species in the Project area, as well as how Project operations are affecting these species and how Project operations can be used to protect, restore, or enhance populations. Management plans be developed for species existing in the project area or under the influence of the project. Suggestions include Wood Stork and RSSL Surveys as well as SNS and American eel sampling.

Requested by: CCL/American Rivers, SCDNR, LSSRAC, National Marine Fisheries Service, USFWS

26. **Migratory Bird Surveys:** This survey would evaluate the effects of the project on migratory bird use at Lake Murray and the Saluda River and riparian ecosystems. Surveys of migratory birds and their habitats to provide baseline information on populations. Aerial surveys for potential roosting, nesting, and foraging sites for the federally endangered woodstork should also continue.

Requested by: USFWS

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27. **Shoreline Management Plan and Alternatives Study:** A study of the shoreline classifications at Lake Murray as well as the LSR project land classifications. Land in and around the project boundary should be inventoried to best determine future management. SCDNR requests that a rebalancing occur in shoreline classifications because current classifications are weighted towards development. LMHC suggests that this include elements such as the relationship in between shoreline development and lake congestion and boating safety. Lake Watch requests a re-evaluation of “dock permitting policies on easement lands”.

Requested by: CCL/American Rivers, City of Columbia Parks and Recreation, SCDNR, LMHC, Lake Watch, S. C. Parks and Recreation, USFWS

28. **Recreational Uses and Needs Study:** Requested in order to evaluate present recreation in the project area as well as future recreational uses. This study request also involves the evaluation of the best locations for future access points and what type of access is necessary. SCDNR recommends that future plans should include the development of shore based recreational access and the location and property for a large, multi-lane boating event site should be explored. SCPRT suggests that A “build out” scenario should be used to identify the volume of use based on future development proposed in the shoreline management plan and provide information on how the “build out” will affect boating carrying capacity, water quality, and fish and wildlife habitat.

Requested by: CCL/American Rivers, City of Columbia Parks and Recreation, SCDNR, LMA, Lake Watch, LSSRAC, SC Parks Rec and Tourism, SC Council Trout Unlimited

29. **“Total Build-Out Study”:** Requested in order to identify areas not appropriate for private development and marinas.

Requested by: Lake Murray Homeowners Coalition (LMHC)

30. **Available Lands for Recreation and Protection of Environmental Resources Survey:** Requested inventory of land ownership around the project boundary to determine the feasibility of aggregating desirable parcels for parks, open space, other recreation, habitat preservation, and viewshed protection. Such an inventory could also provide valuable information about the current and proposed rate of development, thereby determining the urgency of assembling valuable parcels for the public benefit.

Requested by: LSSRAC

31. **Boat Carrying Capacity Study:** This study was requested in order to identify concerns with current or future over-crowding and safety on Lake Murray. As part of the process, this study includes an inventory of current and future residential docks, public and private marinas, dry storage, and other boat access opportunities. Project related

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accidents during the current license period should be identified for use in addressing safety needs. This study will identify areas to target or avoid for new boating facilities.

Requested by: S.C. Parks Rec and Tourism

32. **Recreational Flow Study:** Requested to study the effects that Project operations have on instream flow and the recreation that occurs on the Saluda and at the confluence area. This study requests that flow levels that best benefit anglers, paddlers and swimmers be evaluated as well as safety during recreational activity. Also to determine flows needed to support boat passage (canoe, kayak, and small motor boat) on the lower Saluda and into the Congaree River

Requested by: CCL/American Rivers, City of Columbia Parks and Recreation, SCDNR, LSSRAC, S.C. Parks Rec and Tourism

33. **Spillway Releases for Recreational Purposes:** “The value of the spillway as a whitewater recreation resource should be studied following peer reviewed methods. These methods should include at a minimum an on-water single flow whitewater boating feasibility study, possibly followed by a controlled whitewater flow study.”

Requested by: American Whitewater

34. **Pre-project and Project Inflows Study:** A study on “pre-Project and Project inflows” was requested by American Whitewater in order to be “used to inform decisions on flow regulation.”

Requested by: American Whitewater

35. **Historic/Cultural Resources Survey:** This would involve the development of a plan in conjunction with resource agencies in order to identify and protect historic and cultural resources.

Requested by: SCDNR, LSSRAC, SC Parks Rec and Tourism

36. **Dispute Resolution Study:** Requested study in order to determine how to best improve communication with public including resolving disputes and/or complaints between the licensee and the public.

Requested by: Lake Watch

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Requests for Additional Information:

Project Operations:

- (1) An operations hydraulic model that reflects a basin-wide management capability. **SCDNR**
- (2) A dataset that includes a sufficient period of record, preferably the life of the project. **SCDNR**
- (3) A definition of dry, normal and wet water years. **SCDNR**
- (4) Water level management strategies for the reservoir. **SCDNR**
- (5) Spillway operation procedures. **SCDNR**
- (6) Hydroelectric generation protocol. **SCDNR**
- (7) Stage/storage relationships for the reservoir. **SCDNR**
- (8) Runoff/storage relationships. **SCDNR**
- (9) Critical lake level elevations and streamflow requirements for all water use interests (water supply, navigation, fish and wildlife, aquatic plants, hydropower, flood control, drought, boating access, recreation, etc. **SCDNR**
- (10) Project inflows. **SCDNR**
- (11) Other project related information, such as sediment control/flushing plans or facilities maintenance plans, should be provided if they result in significant water level manipulation or impacts to aquatic resources. **SCDNR**
- (12) Generation and/or Operation reports that include information on the current generating “scheme”. **Lake Murray Homeowners Coalition**
- (13) Information that explains in detail SCE&G’s weather modeling and how the company uses weather predictions in managing lake levels. **Lake Watch**
- (14) Information or a summary in layman’s terms on the probable maximum flood occurrence and how SCE&G uses this information in managing lake levels. **Lake Watch**

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(15) Information on minimum flow requirements for downstream industries.

Lake Watch

(16) Information or a study to determine reservoir evaporation rates and its affect on operations and lake levels. ***Lake Watch***

(17) Information regarding FERC requirements and/or restrictions relating to the use of flood gates. Information on impacts from using flood gates. ***Lake Watch***

(18) A detailed description of current and past project operations pursuant to existing license conditions. This analysis should include the frequency, magnitude, and duration of turbine discharges, spills, and reservoir drawdowns.

USFWS

Water Quality:

(1) Request information that will help to a) forecast striped bass habitat reductions with new operational protocol implemented, and b)help develop an operational protocol to minimize impacts on striped bass habitat. ***SCDNR***

(2) Temperature profiles, on at least a monthly basis, at the unit intakes in the reservoir (specifically June-September) to have a better understanding of the relationship between project operations and water temperature and dissolved oxygen as they pertain to our management programs. ***SCDNR***

(3) We recommend that trends in water quality data associated with Lake Murray and the Lower Saluda River be reviewed and summarized. Special attention should be given to the stations and parameters that did not meet State standards or are declining. ***SCDNR***

(4) Marina water quality monitoring records in order to understand the degree of water quality impacts related to large multi-slip docking facilities. ***Lake Murray Homeowners Coalition***

(5) An updated report on the status of dissolved oxygen concentrations in the lower Saluda River and the efficacy of existing enhancement measures. **USFWS**

Reservoir Fluctuation:

(1) Request a summary of water level fluctuations for the months of March, April and May for the period of the current license in order to assess the possible enhancement of the spawning success of shallow water nest builders, such as crappie, sunfish and bass. ***SCDNR***

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(2) Information from the existing license which sets parameters for reservoir levels. *Lake Watch*

(3) **Newberry County** requests the posting of draw-down dates due to safety concerns for lake users.

Project Lands:

(1) **SCDNR** requests the completion of the following parts of the Shoreline Management Plan:

- an erosion and sedimentation control plan
- a map identifying intermittent and perennial streams and their associated 75' buffer
- guidelines for restrictions within the 50' buffer surrounding the ESA's
- a map showing the location of all ESA's in front of all easement properties
- a woody debris and stump management plan
- a buffer zone restoration plan for buffer zone areas that have been improperly cleared by landowners
- the designation of new waterfowl hunting areas to compensate for those lost to land sales and development
- Per SCE&G's revisions, SCDNR requests an updated land use classification that clearly describes the existing use of the property, acreage and mileage of shoreline associated with each classification.
- SCDNR requests that specific management restrictions be developed and incorporated into the SMP that would control encroachments into ESA's, conservation areas, and other natural areas

(2) We request a summary of project lands and their current classifications, to include acreage and mileage of shoreline. **SCDNR, Lake Murray Homeowners Coalition** (LMHC would like to see this information in the form of Land use maps)

(3) **SCDNR** would like to know how many acres, within the project boundary, are associated with environmental, forest and game, and vegetated land classifications, as well as wetlands.

(4) Request of information displaying the relationship between lake levels and shallow water habitat. This knowledge will allow in evaluating the impacts of any proposed operations on this habitat. **SCDNR**

(5) **Newberry County** requests that buffer zone property be mapped and posted with the applicable restrictions in order to be made available through local government offices.

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Fish and Wildlife:

(1) **SCDNR** requests a summary of emergency spill gate testing protocol to include the frequency, time of year, and any adaptive measures that are used to reduce fish mortality as a result of spill gate testing.

(2) Information on species composition, location, and acreage of aquatic plants in the project is needed to aide in the development of an aquatic plant management plan. **SCDNR**

(3) Information be dispersed to lake users by SCE&G on aquatic weed control measures. **County of Newberry**

Recreation:

(1) A description of public recreation sites that includes information capacity and handicapped accessibility. **SCDNR**

Public Safety:

(1) A list of all project related accidents that occurred during the existing license period be provided, as well as any accommodations in project operations or facilities by the licensee to address these accidents. **SCDNR**

Other:

(1) Information on other SCE&G owned hydro electric generating resources and how these facilities interact with Saluda Hydro operations. **Lake Watch**

(2) An assessment and explanation of SCE&G's responsibilities as stated in the standard license articles. **Lake Watch**

(3) A study to determine any existing legal obligations which might exclude certain aspects of the project from the re-licensing process. **Lake Watch**

(4) A copy of the VACAR agreement. **Lake Watch**

(5) A financial breakdown of revenues SCE&G receives from permits and marina fees and the sale of project lands. This information will be necessary in order to evaluate any recommendations to increase residential permitting fees. **Lake Watch**

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(6) A report on revenues paid to the FERC for administrative services *Lake Watch*

(7) Base Flood Elevations on a lake map, preferably in GIS format, submitted in accordance with FEMA regulations. Requested in an effort to prevent construction by property owners in flood zones associated with the project boundary. *County of Newberry*

(8) Please provide copies of the existing environmental studies conducted at the Saluda Hydroelectric Project by SCE&G contractors and the South Carolina Department of Natural Resources that are referenced in the literature cited section of the Initial Consultation Document. These may be provided as hard copies or via CD (preferable). **USFWS**

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Requests for Potential Mitigation

- Upgrading and repairing of all existing access points. **American Whitewater**
- Creation of a take out above Mill Race Rapid (class IV,) to provide a safe and legal area above a known river hazard for float trips. **American Whitewater**
- Inclusion of all high and seasonally high use areas in the siren and flashing light system, to warn users of rapidly rising water and dangerous conditions. That includes Tail Race, Saluda Shoals, Hopes Ferry, Mill Race, Shandon Rapid, Oh Brother and Ocean Boulevard Rapids. **American Whitewater**
- Scheduled flow releases for recreational events and at desired times of the year when flows can support optimal conditions for recreational uses, such as whitewater boating, special events, and rescue training should be studied and provided. **American Whitewater**
- A dependable on-line and phone communication system informing of river flows and special conditions needs to be established. **American Whitewater**
- The **Counties of Newberry and Saluda, and concerned citizen R.J. McClendon** implore that SCE&G allow capitalization on the new developmental opportunities that are coming about with the increased growth of the Columbia area.
- Acreage be added to all small recreation access sites to the extent possible to allow for future expansion as recreational needs change and to provide options for shore based recreation. **SC Dept. of Parks Rec. and Tourism**
- An estimate of remaining legal waterfowl hunting areas should be mapped for consideration of designated waterfowl hunting areas. **SC Dept. of Parks Rec. and Tourism**
- A plan should be developed to protect islands in the lake and river while allowing recreational use. Population growth and increasing boat use may severely affect these recreational resources over the term of the license. **SC Dept. of Parks Rec. and Tourism**

Mr. James M. Landreth, V.P.
Fossil & Hydro Operations
SCE&G
111 Research Dr.
Columbia, S.C. 29203
Attn: Mr. William R. Argentieri

Re: COMMENTS ON THE SALUDA HYDRO ICD

Dear Sir,

I am a long time resident of Saluda County, S.C. I own property on Lake Murray and am a developer and owner of a real estate company on Lake Murray.

It is in my opinion that SCE&G has taken a stand that is very unbalanced toward the future development of properties in Saluda and Newberry Counties. The "Lake Watch" environmental groups have tipped the scale for all the things they want. They already have their own non-vegetative areas, individual docks, ramps, etc. One of their main advocates, Mr. Steve Bell, lives in Newberry Shores. Mr. Bell's shoreline and waterfront is completely vacant of any type of vegetation to the waters edge, and he makes sure it stays in that condition. This is a double standard.

I am for balanced natural and wooded vegetation. The limited brushing 75' buffer zone has been an effective rule, however, SCE&G needs to allow these rural counties the opportunity to have sensible and balanced development. Today we live in a "world economy". Saluda County recently lost it's only two industrial textile plants. Over 400 people lost their jobs. Saluda County needs Lake Murray development to help cover their tax needs and it will also create jobs and support hundreds of business owners in the county.

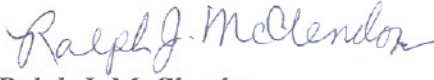
The people who are primarily purchasing land on Lake Murray in these counties are retirees from up north who have lost interest in the coastal areas due to high costs and hurricanes and want our warm climate.

SCE&G's stand not to allow progress also affects many land owner's who presently own land surrounding the lake. Many of these people have counted on selling their lands for retirement funding. This land now can only be considered woodlands without the ability to purchase the fringe land so that dockage can be obtained.

It may be a good idea, instead of SCE&G's previous attempt to donate their lands in these counties to the State of S.C., to consider donating these lands to Saluda and Newberry Counties. This way these counties and the people who live there could decide the best usage.

Ralph J. McClendon
108 Front Street
Gilbert, S.C. 29054

Respectfully,


Ralph J. McClendon

August 16, 2005

Mr. James M. Landreth, Vice President
Fossil and Hydro Operations
South Carolina Electric & Gas Company
111 Research Drive
Columbia, South Carolina 29203

Attn: Mr. William R. Argentieri
"Comments on the Saluda Hydro ICD"

E-mailed to: bargentieri@scana.com

Dear Sir:

My comments concern the safety of those individuals who use the Lower Saluda River, and the convenience of use for both users of the resource and the organizations which facilitate this use.

The Saluda Hydro Plant, as currently operated, does not provide any immediate information to river users as to releases into the Lower Saluda River. Therefore, the only information available to persons using, or anticipating using, the river is actual observation of water level conditions. There is no real-time communication between operators of the Hydro Plant and river users.

I am the owner of a paddlesports business, River Runner Outdoor Center. Over the past twenty-three years, we have sold products and provided services for users of the Lower Saluda River. In addition, for the past six years, my company has provided canoes, kayaks, and related equipment for Saluda Shoals Park. We conduct trips and provide instructional clinics on the Lower Saluda. I am an original and current member of the Lower Saluda Scenic River Advisory Council.

Members of the public are frequently amazed to learn that SCE&G's Saluda Hydro Plant does not schedule releases into the river. And they are even more amazed to discover that there is no communication between the Plant operators and Saluda Shoals Park, located only 1.5 miles below the Hydro facility. The lack of any release schedule and lack of communication regarding releases has the following adverse effects on members of the public who use the Lower Saluda River.

1. The public cannot make informed judgements about the safety of their use of the river. Different water levels cause vastly different conditions on all stretches of the Lower Saluda.
2. The public cannot plan for an appropriate use of the river in the absence of any meaningful information about future releases into the river.
3. Officials of Saluda Shoals Park cannot provide park visitors with adequate information regarding use of the river for canoeing, kayaking, or other river uses such as fishing or swimming, without real-time information about releases from Saluda Hydro.
4. Officials of Saluda Shoals Park cannot plan events for the use and enjoyment of the public without knowledge of future likely releases into the Lower Saluda River.

803 • 771 • 0353
803 • 771 • 0359 Fax

905 Gervais Street • Columbia • South Carolina • 29201 • 3127



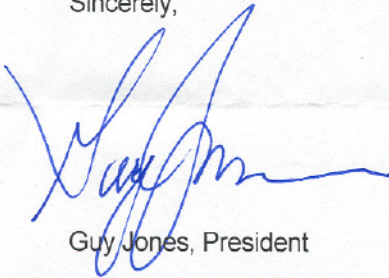
● Page 2

August 16, 2005

I would like to request that you examine in your Initial Consultation Document appropriate methods to provide the following items in the proposed new operating license for Saluda Hydro:

1. A release schedule for the operation of Saluda Hydro, with criteria for deviations from planned releases, so that members of the public may make reasonably informed decisions about their use of the Lower Saluda River.
2. Communication methods which will allow members of the public and officials of organizations to obtain real-time information about releases into the Lower Saluda River.

Sincerely,



Guy Jones, President

River Runner Outdoor Center

Cheryl Balitz

From: Patrick Moore [PatrickM@sccl.org]
Sent: Wednesday, September 14, 2005 12:22 PM
To: Alison Guth
Subject: RE: My mistake

Hey Allison,
Please put me on the Resource group for Operations, Lake and Land Management, Recreation and Safety.

Please put me on the list for the recreation Tech working group.
Thanks

Patrick Moore
Water Quality Associate
Coastal Conservation League
1207 Lincoln St. Suite 203-C
Columbia, S.C. 29201
803.771.7102

-----Original Message-----

From: Alison Guth [mailto:Alison.Guth@KleinschmidtUSA.com]
Sent: Wednesday, September 14, 2005 11:28 AM
To: Patrick Moore
Subject: RE: My mistake

Patrick,

I will be happy to add your email to the list. You are currently not on the list of participants in the Resource Conservation Groups, so if this is something you are interested in just let me know which ones you would like to be a participant of and I will place you on the list. You have the options of Operations; Cultural; Lake and Land Management; Fisheries; Water Quality; Recreation; or the newly formed Safety (which I will be sending an email out about soon). Thanks and just let me know. ~ Alison

-----Original Message-----

From: Patrick Moore [mailto:PatrickM@sccl.org]
Sent: Wednesday, September 14, 2005 11:11 AM
To: Alison.Guth@KleinschmidtUSA.com
Subject: My mistake

Hey Allison,
You did reference the attachment in your email, I apologize. I had not seen the document yet and was going on 2nd hand information. Please put me down as a Tier 1 participant.
Thanks

Patrick Moore
Water Quality Associate
Coastal Conservation League
1207 Lincoln St. Suite 203-C
Columbia, S.C. 29201
803.771.7102

1

Cheryl Balitz

From: Alison Guth
Sent: Tuesday, September 20, 2005 2:22 PM
To: 'Suzanne Rhodes'
Subject: RE: Role of SC Wildlife Federation as a Tier I participant in relicensing

We look forward to meeting you on Thursday. I am posting the comments as we speak so keep your eyes peeled for them. I have also placed you in the Resource Conservation Groups, so you should receive all emails pertaining to that from this point forward. Let me know if you have any more questions. Thanks, Alison

-----Original Message-----

From: Suzanne Rhodes [mailto:suzrhodes@juno.com]
Sent: Tuesday, September 20, 2005 1:58 PM
To: Alison.Guth@KleinschmidtUSA.com
Subject: Re: Role of SC Wildlife Federation as a Tier I participant in relicensing
Thanks. The SCWF staffer who submitted the final (posting the draft is AOK with us) is out of the office for this week. We'll figure out what is going on at our end, and proceed. I hear good things about your firm, and wish you well - We look forward to working with you! I am going to be out of the office alot for the rest of the week, but plan to attend the Thursday evening meeting. Suzanne

On Tue, 20 Sep 2005 13:27:46 -0400 Alison Guth
<Alison.Guth@KleinschmidtUSA.com
<mailto:Alison.Guth@KleinschmidtUSA.com> > writes:
Dear Ms. Rhodes,
Steve Bell brought this issue to my attention yesterday. I have since called Bill Argentieri at SCE&G who notified me that he has not received comments from SC Wildlife Federation. I have also checked the FERC website in search of your comments to no avail. Since you have provided your comments today they will be posted to the website and sent to SCE&G accordingly. Alan Stuart will further discuss the Operating Procedures in the meeting Thursday.
Alison
Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

2

-----Original Message-----

From: Suzanne Rhodes [mailto:suzrhodes@juno.com]
Sent: Tuesday, September 20, 2005 1:10 PM
To: Alison.Guth@KleinschmidtUSA.com; Alan.Stuart@KleinschmidtUSA.com
Cc: angiemV@aol.com

Subject: Role of SC Wildlife Federation as a Tier I participant in relicensing

The South Carolina Wildlife Federation has been commenting on the relicensing process since 2000 (perhaps before then, but my computer was new in '00), and were surprised to find (again) that our comments were not included, this time regarding the ICD. Attached is our attempt to "register." I am also including a draft of our comments submitted on the ICD. I plan to attend the evening meeting this Thursday and assume whatever problem there has been will be no more. As indicated on the attached, my cell phone is 803-546-5800.

The Federation has understood that the relicensing process would involve stakeholders and be interactive, and we assume that the 9/5/05 Operating Procedures are draft. Our primary concern is the "directiveness" of the procedures, the rather fuzzy role of the natural resource agencies, whom we believe should have a very strong role in determining the completeness and validity of technical conclusions, and the independence of the facilitators.

The Federation also wants to assume that the communication protocols now being developed, the meeting ground rules, and the manner in which NGO participation is "acceptable," are also in "draft" form.

Two attachments: The Resource Conservation Group form and the 8/15/05 letter commenting on the ICD

Cheryl Balitz

From: Patrick Moore [PatrickM@scccl.org]
Sent: Friday, September 23, 2005 1:37 PM
To: Alison Guth
Subject: RE:

Thanks Alison

Patrick Moore
Water Quality Associate
Coastal Conservation League
1207 Lincoln St. Suite 203-C
Columbia, S.C. 29201
803.771.7102

-----Original Message-----

From: Alison Guth [mailto:Alison.Guth@KleinschmidtUSA.com]
Sent: Friday, September 23, 2005 1:34 PM
To: Patrick Moore
Subject: RE:

Hello,

Hmmm, I believe that American Rivers was on there, however I will make sure before it is posted to the website (Alan has yet to send me the presentation for posting). I can assure you though that any exclusion of American Rivers from stakeholder lists is purely accidental, we have not forgotten about you guys :). Also, you are on Op, Safety, Rec and L&LM groups, with Gerrit on Fish and WQ. As soon as I get all of the "urgents" off of my to-do list I am posting the RCG Member list on the website. It should be up by Monday or Tuesday. Thanks, Alison

-----Original Message-----

From: Patrick Moore [mailto:PatrickM@scccl.org]
Sent: Friday, September 23, 2005 12:07 PM
To: Alison Guth
Subject: RE:

Hey Allison,

I believe I noticed on the list of stakeholders slide in yesterdays presentation that American Rivers wasn't listed as a stakeholder. Alan was moving through them so I may have overlooked it. We have been involved since day 1 and appreciate inclusion on any further stakeholder lists.

Also, I want to confirm that I am the Operations, Safety, Recreation and Land Management RCGs and that Gerrit is on Fisheries and Water Quality.

Thanks,

Patrick Moore
Water Quality Associate
Coastal Conservation League
1207 Lincoln St. Suite 203-C
Columbia, S.C. 29201
803.771.7102

-----Original Message-----

From: Alison Guth [mailto:Alison.Guth@KleinschmidtUSA.com]
Sent: Monday, September 19, 2005 4:35 PM

To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com';
'gjobsis@americanrivers.org'; 'cheetahtk@yahoo.com'; 'Bkawasi@sc.rr.com';
'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com';
'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'ahler@scdnr.gov';
'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com';
'millerca@dhec.sc.gov'; 'Stoneypher@isteamconsulting.com'; 'jbutler@scana.com';
'moellerf@msn.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net';
'guyjones@sc.rr.com'; Amanda Hill (amanda_hill@fws.gov); Gina Kirkland; Hal Beard;
'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; Tony
Bebber (Tbebber@SCPRT.com); 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net';
'RESKKEENER@PBTComm.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net';
'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com';
'malcolml@mailbox.sc.edu'; Patrick Moore; 'pgaines@scprt.com'; 'ipitts@scprt.com';
'mdavis@scprt.com'; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johned44@earthlink.net';
'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com';
'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com';
'rlavisky@alltel.net'; 'joyyalicki@aol.com'
Cc: Alan Stuart; 'ARGENTIERI, WILLIAM R'; Shane Boring
Subject:

Goodafternoon,

Due to the occurrence of conflicts with several of the dates of the Resource Conservation Groups, we are attempting to reschedule some of the meetings. It appears that there are conflicts with the Catawba-Wateree, Santee-Cooper and Blewitt/Tillery project relicensings. We do not have a good idea when these relicensings meet but it appears that they meet toward the latter part of the month as opposed to the beginning. Therefore, we are attempting to schedule our meetings at the beginning of the month. We would appreciate if those involved with those other relicensings confirm our assumptions with respect to the other relicensings and inform us as to when they typically meet. Although we were planning to roll out RCG meetings at the beginning of October, there are conflicts due to the turbine venting and DO testing at Saluda Hydro that is occurring the first two weeks in October. Consequently, in an attempt to get as much participation as possible we will push all Resource Conservation Group meetings to November.

There are several dates in November that appear **acceptable as originally set**. These include:

1. Water Quality: Wednesday, November 9th @ 9:30 am
2. Fisheries and Wildlife: Thursday, November 10th @ 9:30 am
3. Recreation: Friday, November 18th @ 9:30 am
4. Cultural: Friday, October 14th @ 9:30 am

Due to the lack of objections we are assuming that the above listed November meetings are acceptable. If this is not the case, please notify me immediately. The Cultural Resources Conservation Group which is meeting October 14th will also remain as scheduled. Bill Green, the program manager of TRC, is handling the meeting of the Cultural Group and has already contacted those individuals involved, as well as the appropriate agencies that primarily deal with Section 106, to cement that date as best for those involved. For those interested meeting minutes will be made available so you can keep informed.

However, there appears to be many conflicts with the following meeting dates:

1. Operations- Monday, September 26th @ 9:30

2. Lake and Land Management - Friday, September 30th @ 9:30
3. Safety (newly formed) - Wednesday, October 26th @ 9:30

I propose the following dates as alternatives please email me with the dates that best fit your schedule:

1. Operations: Tuesday, November 1
or
Monday, November 14

2. Lake and Land Management: Wednesday, November 2
or
Tuesday, November 15

3. Safety: Friday November 4th
or
Wednesday, November 16th

Please let me know as soon as possible so that we can get the ball rolling with the scheduling. Thanks again for your interest in the relicensing and we look forward to working with you.

Sincerely,
Alison

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Danielle Fitzpatrick

From: Alison Guth
Sent: Monday, September 26, 2005 10:11 AM
To: 'pricedc@dhec.sc.gov'
Subject: Resource Conservation Groups

David,

In reference to what we discussed on the phone, below are examples of what each group may discuss. These items are not limiting, it is likely that issues may vary slightly depending on what is presented in the meeting.

Water Quality Resource Conservation Group:

Primary Technical Issues	Non-issues Raised
Nutrients Thermal effects in LSR DO in the LSR Cove water Quality Septic tank seepage	No discharge Zones

Fish and Wildlife Resource Conservation Group:

Primary Technical Issues	Non issues Raised
Entrainment and Mortality Trout Growth Diadromous Fish Usage of the LSR Instream Flows Effects of Impoundment fluctuations on spawning Effects of Buffer Zones on Wildlife Threatened & Endangered Species – SNS, Wood Storks	None

Lake and Land Use:

Primary Technical Issues	Non issues Raised
Lake Levels - Boater Safety - Recreation/Dock Access - Aesthetics Fringelands and Buffer Zones - Sale of Fringelands - Longer Term Updates of SMP - Impacts on WQ and wildlife Future Development - standardize Project Boundary	None

- sale of fringelands and buffer zones
- economic development in Newberry and Saluda County

Dock Permitting

- rising costs to SCE&G for permitting (increasing dock fees to industry standards)

Operations:

Primary Technical Issues

Non issues Raised

- Reserve operations
- Current Operation
- Instream Flows
- Effects on the Congaree National Park
- Effects on the Santee Basin
- Ramping

None

Recreation:

Primary Technical Issues

Non issues Raised

- Future development of Recreational areas
 - Waterfowl hunting
 - Primitive recreational sites
- Recreational flow releases
- Boat Storage and Mooring sites for Sailboats
- Access
 - LSR
 - Lake Murray
- Current recreational usage of Lake Murray

None

Cultural Resource:

Primary Technical Issues

Non issues Raised

- Phase 1 Studies
- Phase 2 Studies
- Programmatic Agreement

None

Safety:

Primary Technical Issues:

- Safety
 - Downstream warning systems

Effects of flow on safety

Lake Safety

I will be sending you a lot more information on dates and so forth. Please let me know if there are any other RCG's you would like to join besides safety and recreation. Also, please send me your contact information so that I may place you on the list. Thanks so much!

Alison

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Cheryl Balitz

From: Alison Guth
Sent: Wednesday, September 28, 2005 4:05 PM
To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com'; 'gjobsis@americanrivers.org'; 'cheetahtrk@yahoo.com'; 'Bkawasi@sc.rr.com'; 'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com'; 'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'ahler@scdnr.gov'; 'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com'; 'millerca@dhec.sc.gov'; 'Stonecypher@istreamconsulting.com'; 'jbutler@scana.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net'; 'guyjones@sc.rr.com'; 'Amanda Hill'; 'Gina Kirkland'; 'Hal Beard'; 'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; 'Tony Bebber'; 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net'; 'RESKKEENER@PBTCOMM.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@scccl.org'; 'pgaines@scprt.com'; 'ipitts@scprt.com'; 'mdavis@scprt.com'; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johnd44@earthlink.net'; 'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com'; 'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net'; 'joyyalicki@aol.com'; 'bbull@sc.rr.com'; 'syalicki@carolinacareplan.com'; 'suzrhodes@juno.com'; 'kayakduke@bellsouth.net'; 'miriam@lakemurraycountry.com'; 'bill25@sc.rr.com'; 'skfox@bellsouth.net'; 'pricedc@dhec.sc.gov'; 'dobrasko@scdah.state.sc.us'; 'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com'; 'djones@scprt.com'; 'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us'; 'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com'; 'robinsonj@icrc.net'; 'r1shealy@aol.com'; 'jwells@icrc.net'; 'zajacm@icrc.net'; BARGENTIERI@scana.com; RMAHAN@scana.com; 'jdevereaux@scana.com'; 'ssummer@scana.com'; 'tbowles@scana.com'; 'vhoffman@scana.com'; 'msummer@scana.com'; 'tboozer@scana.com'; 'dhancock@SCANA.com'; 'btrump@scana.com'; Alan Stuart; Dave Anderson; Marty Phillips; Shane Boring
Subject: Saluda Hydro Relicensing Website Update

Goodafternoon folks,

I just wanted to point out that the website is now updated with new information, including the greatly anticipated Resource Conservation Group members list (www.saludahydrorelicense.com). Many thanks to those of you who were able to participate in the September 22nd Quarterly Public Meeting. Meeting transcripts will be posted soon for those individuals who were unable to attend.

Also, please let me know by October 15th your preferred date for the Resource Conservation Group meetings if you are involved in one or more of the following groups: Operations, Lake and Land Mgt., and Safety. I apologize for the repetition for those of you who have already responded. Let me know if you have any questions.

Thanks,
Alison

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Danielle Fitzpatrick

From: kayakduke@bellsouth.net
Sent: Wednesday, October 05, 2005 8:55 AM
To: Alison Guth
Cc: Larry Michalec; Steve Bell; Bertina Floyd
Subject: Resourse teams

Alison, the Lake Murray Homeowners Coalition met last night and the following are additions and deletions to the teams.

Please add George Duke to all teams as we discussed before

Recreation: add Larry Michelec as a second tier member

Water Quality: delete Larry Michalec,add Charles Floyd

Lake and Land Management: delete Larry Michalec, add Bertina Floyd

Operations: add Larry Michalec as second tier member

We may have further changes, if so I will let you know.

Thank you
George Duke

P: (803) 822-3177
F: (803) 822-3183

Danielle Fitzpatrick

From: Alison Guth
Sent: Monday, October 17, 2005 2:14 PM
To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com'; 'gjobsis@americanrivers.org'; 'cheetahtrk@yahoo.com'; 'Bkawasi@sc.rr.com'; 'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com'; 'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'ahler@scdnr.gov'; 'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com'; 'millerca@dhec.sc.gov'; 'Stonecypher@istreamconsulting.com'; 'jbutler@scana.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net'; 'guyjones@sc.rr.com'; 'Amanda Hill'; 'Gina Kirkland'; 'Hal Beard'; 'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; 'Tony Bebber'; 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net'; 'RESKKEENER@PBTCOMM.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@scccl.org'; 'pgaines@scprt.com'; 'ipitts@scprt.com'; 'mdavis@scprt.com'; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johnded44@earthlink.net'; 'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com'; 'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net'; 'joyyalicki@aol.com'; 'bbull@sc.rr.com'; 'syalicki@carolinacareplan.com'; 'suzrhodes@juno.com'; 'kayakduke@bellsouth.net'; 'miriam@lakemurraycountry.com'; 'bill25@sc.rr.com'; 'skfox@bellsouth.net'; 'pricedc@dhec.sc.gov'; 'dobrasko@scdah.state.sc.us'; 'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com'; 'djones@scprt.com'; 'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us'; 'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com'; 'robinsonj@icrc.net'; 'r1shealy@aol.com'; 'jwells@icrc.net'; 'zajacm@icrc.net'; 'parkin@parkinhunter.com'; 'arsbhs@bellsouth.net'; BARGENTIERI@scana.com; RMAHAN@scana.com; 'jdevereaux@scana.com'; 'SUMMER, STEPHEN E'; 'tbowles@scana.com'; 'vhoffman@scana.com'; 'msummer@scana.com'; 'tboozer@scana.com'; 'dhancock@SCANA.com'; 'btrump@scana.com'; Alan Stuart; Dave Anderson; Marty Phillips; Shane Boring
Subject: November Resource Group Dates

Dear Resource Group Participants,

Thanks to all of you who responded with date preferences for the November Resource Conservation Groups. The dates were chosen according to when the majority of the respondents could attend. The final dates are listed below.

Operations: November 1st
Lake and Land Management: November 2nd
Water Quality: November 9th
Wildlife and Fisheries: November 10th
Safety: November 16th
Recreation: November 18th

If you have conflicts, and cannot attend your first Resource Group meeting, we encourage you to contact another individual who is attending the meeting (members list is posted on www.saludahydrorelicense.com) who you trust will accurately express any issues you may have to the group.

All meetings will begin at 9:30 in the morning and will occur at the SCE&G Lake Murray Training Center on the dam. Please bring a picture ID with, as it is required at the guard station. Agendas will be posted on the website soon. Thanks so much and we hope to see you in November.

Sincerely,
Alison Guth

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170

Danielle Fitzpatrick

From: BARGENTIERI@scana.com
Sent: Friday, November 18, 2005 4:02 PM
To: Alan Stuart
Cc: Alison Guth
Subject: Saluda Relicensing Monthly Update Meeting

Alan,

Attached is the agenda and tracking spreadsheet for our next monthly update meeting. Please check it over and return to me with any comments. Also, please make sure Alison has information on all of the KA related items on both the agenda and tracking spreadsheet.

[William R. Argentieri](#)
South Carolina Electric & Gas Company
111 Research Drive
Columbia, SC 29203

Phone - (803) 217-9162
Fax - (803) 933-7849
Cell - (803) 331-0179

Saluda Hydro New License Application
Project Management & Schedule Agenda
November 30, 2005

1. Status of all contracts, reports, meeting minutes, purchase orders
 - Discuss issues on New License Tracking Sheet
2. Website
 - Updating sections
3. Public Meeting & Workshops
 - Resource Conservation Groups/Technical Working Group Meetings
4. Studies status
 - Diadromous Fish Study – working on final reports
 - Wood Stork Surveys
5. Schedule
6. Misc. activities
 - Letter to land owners for Stage II Cultural Resource Survey
 - SCCCL Negotiations Workshop
 - Corporate Communications - Public/Media Information
7. SCCCL/AR Settlement
 - Status of turbine vent testing and USGS Gage Relocation Data Processing
8. Schedule next update meeting for December/January.

**Saluda Hydro
New License Application
Activity and Purchase Order Tracking**

<u>Activity</u>	<u>P.O.</u>	<u>Contractor/Responsible Person</u>	<u>Status</u>	<u>Comments</u>
Relicensing Information Management (Website)	FH-0100007789	Kleinschmidt/ Bill Argentieri	Activated 12/15/2004 Legal disclaimer needs to be added per Ellenor Kellett's request. KA submitted draft wording on 2/24/05. Ellenor responded on 5/18/05. KA resolved these issues on 6/8/05. Website still active.	
Implementation of Diadromous Fish Study Plan	FH-0100008389	Kleinschmidt/ Bill Argentieri/ Steve Summer	KA developed a proposal to perform the studies, P.R. FH-0000003500 was generated on 1/3/05 P.O. issued 1/5/05 Study started in February 2005 This was a one year study. Field sampling ended May 31. Both fish and eel field reports were submitted to Steve S. for review and comment. Eel report was issued to agencies for review on 11/3/05.	
Implementation of Wood Stork Study Plan	FH-0100009471	Kleinschmidt/ Bill Argentieri/ Steve Summer	SCE&G requested a proposal to perform this work on 2/21/05. KA submitted proposal on 3/2/05. P.O. issued on 3/8/05. Initial set of questions submitted by KA on 3/25/05. Distributed within SCE&G on 3/31/05 Kick-off meeting held 5/16/05 and site visit 5/17 Receiving monthly reports from Shane Boring of Kleinschmidt.	

**Saluda Hydro
New License Application
Activity and Purchase Order Tracking**

<u>Activity</u>	<u>P.O.</u>	<u>Contractor/Responsible Person</u>	<u>Status</u>	<u>Comments</u>
Shoreline Management Plan Erosion & sedimentation plan woody debris & stump management plan buffer zone restoration plan	FH-010008334	Kleinschmidt/Tommy Boozer	KA submitted proposal on 12/10/2004 P.R. FH-0000003425 generated on 12/14/2004 P.O. issued on 1/5/05 Met with USFWS & SCDNR on 4/4/05 Time extension until 1/31/06 request was submitted to FERC on May 31, 2005 for all three plans. Met with Natural Resource Conservation Service on 7/21/05, 8/12/05 (lake), 8/31/05, 9/19/05 (lake) for input to our plans. Draft BZR plan was issued internally 10/13/05. Comments provided by RRM & WRA. KA issued draft WD&SM and S&EC plans to SCE&G for review and comment. Meeting held on 10/24/05 to review, comment, and rewrite all three plan. Issued draft WD&SM and S&EC plans to agencies on 11/7/05	

**Saluda Hydro
New License Application
Activity and Purchase Order Tracking**

<u>Activity</u>	<u>P.O.</u>	<u>Contractor/Responsible Person</u>	<u>Status</u>	<u>Comments</u>
Stage I assistance, public/agency meetings, develop study plans	FH-0100009752	Kleinschmidt/ Bill Argentieri	<p>KA submitted proposal on 3/2/05. P.O. issued on 3/8/05. Joint agency & public meeting was held on 6/16/05. By 8/16/05, received agency & public comments to ICD and study requests. 36 Study Request, 44 Requests for Additional Information, and 9 Requests for Potential Mitigation were received from 3 Federal agencies, 2 State agencies, one county agency, two city agencies, one university, one local business, 11 NGOs, and six individuals. Initial quarterly public meeting was held on September 22 at Saluda Shoals Park. Next Public meeting is scheduled for January 22, 2006. Seven (7) Resource Conservation Groups were developed, Cultural, Operations, Land & Lake Management, Water Quality, Fish & Wildlife, Safety, and Recreation.</p>	
			Initial RCG meetings started October 14, 2005. Other scheduled for 11/1, 11/2, 11/9, 11/10, 11/16, & 11/18.	

**Saluda Hydro
New License Application
Activity and Purchase Order Tracking**

<u>Activity</u>	<u>P.O.</u>	<u>Contractor/Responsible Person</u>	<u>Status</u>	<u>Comments</u>
Saluda River and Lake Murray Aquatic Plant Survey	David and Tommy generate new P.O. each year	Botanical Services of SC/Tommy Boozer/David Haddon	Tommy and David work with Cindy Aulbach directly on this. We determined that we didn't have to do this study for the Saluda River until requested by agencies. The 2005 survey for the lake is complete, waiting for report. Primrose survey is posted on the SCE&G website.	This is annual study.
USC/Lake Murray Initiative USC requested this presentation each Spring Semester.	n/a	USC/Bill Argentieri	USC Professors will work with us through the Relicensing process. Tommy, Randy, and Bill made presentation to USC Class on March 23, 2005 on Shoreline Management and Relicensing.	Dwayne requested that Tommy and I make this presentation next year for his Spring semester class.

**Saluda Hydro
New License Application
Activity and Purchase Order Tracking**

<u>Activity</u>	<u>P.O.</u>	<u>Contractor/Responsible Person</u>	<u>Status</u>	<u>Comments</u>
Detailed Project Equipment Upgrade Study	FH-010009751	Kleinschmidt/ Bill Argentieri	<p>SCE&G requested a proposal to perform this work on 2/21/05. KA submitted proposal on 3/2/05. P.O. issued on 3/8/05. Initial set of questions submitted by KA on 3/25/05. Distributed within SCE&G on 3/31/05 Kick-off meeting held 5/16/05 and site visit 5/17 - 18/05. KA issued meeting minutes on 5/23/05. Conference call with system control, resource planning, and economic resource commitment was held on 5/25/05 (minutes issued 6/8), 6/9/05 (minutes issued 6/27), and 7/12/05 (minutes issued on 7/13/05). All turbine and generator budget information was received week of 9/26/05. KA finalizing base case run for scenarios and economic considerations.</p>	
			<p>SCE&G Resource Planning is trying to figure how to incorporate ramping into the model. The model should include the reserve value of Saluda. Status report of their model was provided on 10/28/05. Discussion is needed on how we plan to dispatch Saluda in future.</p>	

**Saluda Hydro
New License Application
Activity and Purchase Order Tracking**

<u>Activity</u>	<u>P.O.</u>	<u>Contractor/Responsible Person</u>	<u>Status</u>	<u>Comments</u>
ESA Inventory on Lake Murray Shoreline	FH-0100009210	Milliken Forestry Company, Inc./Tommy Boozer	P.R. 0000003782 generated on 2/7/05 P.O. generated on February 11, 2005 Met with USFWS & SCDNR on 4/7/05 Time extension until 2/28/06 request was submitted to FERC on May 31, 2005. Field identification started in May 2005. Completed August 22, 2005. Data was given to Orbis to plot.	
Endangered Species Act research permit application for shortnose sturgeon	FH-0100008389	Kleinschmidt/Steve Summer	Permit application is being completed by KA, conference call with NMFS was held on 5/5/05. Permit application was submitted on 6/7/05. On 8/15/05 Federal Register Notice published our permit application for 30-day comment period. Permit is under Section 7 consultation in the Endangered Species Division. KA issued internal draft study plan for SCE&G comment on 8/31/05. Draft study plan was submitted to the agencies on 9/7/05. Final study plan was issued on 10/31/05.	

**Saluda Hydro
New License Application
Activity and Purchase Order Tracking**

<u>Activity</u>	<u>P.O.</u>	<u>Contractor/Responsible Person</u>	<u>Status</u>	<u>Comments</u>
Cultural Resource Stage 1 Study	FH-0100010414	TRC, Environmental / Bill Argentieri	P.O. FH-0100010414 was issued on 4/12/05. Field survey started on April 25, 2005, finished July 29, 2005. Draft report was issued September 6, 2005. Comments received from SHPO & SCE&G. Final report issued November 10, 2005.	
Cultural Resource Stage 2 Study	FH-0100013201	TRC, Environmental / Bill Argentieri	P.O. FH-0100013201 was issued on 9/26/05. TRC started Stage II survey week of October 24.	
Turbine Venting Test and USGS Monitor Location to support DO level compliance.	Through Jones Day	Kleinschmidt/Steve Summer/Bill Argentieri	Efficiency testing proposal from KA was submitted to JD on 7/4/05. Turbine venting & relocating USGS monitor plan submitted to SCE&G on 8/24/05. Last comments submitted by SCE&G on 8/26/05. Plan was submitted to Gerrit Jobsis on 9/1/05. No comments were received. Testing scheduled for first two weeks of October. Various units were unavailable, completed turbine vent test on Units 1 & 5. USGS monitor relocation testing is rescheduled for week of October 31, 2005. Turbine vent test for Units 2, 3, & 4 will be rescheduled for October 2006.	
Alternative Source Energy	internal	Bill Argentieri/ Carl Hoadley/ Jim Neely	Jim Neely provided an estimate on September 13, 2005.	

**Saluda Hydro
New License Application
Activity and Purchase Order Tracking**

<u>Activity</u>	<u>P.O.</u>	<u>Contractor/Responsible Person</u>	<u>Status</u>	<u>Comments</u>
Property Ownership for lake and lower Saluda River	internal	Beth Trump/ Van Hoffman	Requested property ownership for cultural resource lands by January 2006 and total lake and lower Saluda River by June 2007. Lexington and Saluda counties, including all islands and lower river will be done by end of November 2005. Newberry and Richland counties will be done by end of January 2006.	

Danielle Fitzpatrick

From: Alison Guth

Sent: Wednesday, September 28, 2005 4:06 PM

To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com'; 'gjobsis@americanrivers.org'; 'cheetahtk@yahoo.com'; 'Bkawasi@sc.rr.com'; 'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com'; 'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'ahler@scdnr.gov'; 'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com'; 'millerca@dhec.sc.gov'; 'Stonecypher@isteamconsulting.com'; 'jbutler@scana.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net'; 'guyjones@sc.rr.com'; 'Amanda Hill'; 'Gina Kirkland'; 'Hal Beard'; 'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; 'Tony Bebbler'; 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net'; 'RESKKEENER@PBTCOMM.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@sccl.org'; 'pgaines@scprt.com'; 'ipitts@scprt.com'; 'mdavis@scprt.com'; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johned44@earthlink.net'; 'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com'; 'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net'; 'joyyalicki@aol.com'; 'bbull@sc.rr.com'; 'syalicki@carolinacareplan.com'; 'suzrhodes@juno.com'; 'kayakduke@bellsouth.net'; 'miriam@lakemurraycountry.com'; 'bill25@sc.rr.com'; 'skfox@bellsouth.net'; 'pricedc@dhec.sc.gov'; 'dobrasko@scdah.state.sc.us'; 'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com'; 'djones@scprt.com'; 'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us'; 'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com'; 'robinsonj@icrc.net'; 'r1shealy@aol.com'; 'jwells@icrc.net'; 'zajacm@icrc.net'; 'BARGENTIERI@scana.com'; 'RMAHAN@scana.com'; 'jdevereaux@scana.com'; 'ssummer@scana.com'; 'tbowles@scana.com'; 'vhoffman@scana.com'; 'msummer@scana.com'; 'tboozier@scana.com'; 'dhancock@SCANA.com'; 'btrump@scana.com'; Alan Stuart; Dave Anderson; Marty Phillips; Shane Boring

Subject: Saluda Hydro Relicensing Website Update

Goodafternoon folks,

I just wanted to point out that the website is now updated with new information, including the greatly anticipated Resource Conservation Group members list (www.saludahydrorelicense.com). Many thanks to those of you who were able to participate in the September 22nd Quarterly Public Meeting. Meeting transcripts will be posted soon for those individuals who were unable to attend.

Also, please let me know by October 15th your preferred date for the Resource Conservation Group meetings if you are involved in one or more of the following groups: Operations, Lake and Land Mgt., and Safety. I apologize for the repetition for those of you who have already responded. Let me know if you have any questions.

Thanks,
Alison

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Cheryl Balitz

From: Alison Guth
Sent: Tuesday, November 22, 2005 9:56 AM
To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com'; 'gjobsis@americanrivers.org'; 'cheetahrk@yahoo.com'; 'Bkawasi@sc.rr.com'; 'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com'; 'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com'; 'millerca@dhec.sc.gov'; 'Stonecypher@isteamconsulting.com'; 'jbutler@scana.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net'; 'guyjones@sc.rr.com'; 'Amanda Hill'; 'Gina Kirkland'; 'Hal Beard'; 'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; 'Tony Bebbber'; 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net'; 'RESKKEENER@PBTCOMM.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@sccl.org'; 'pgaines@scprt.com'; 'ipitts@scprt.com'; 'mdavis@scprt.com'; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johnd44@earthlink.net'; 'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com'; 'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net'; 'joyyalicki@aol.com'; 'bull@sc.rr.com'; 'syalicki@carolinacareplan.com'; 'suzrhodes@juno.com'; 'kayakduke@bellsouth.net'; 'miriam@lakemurraycountry.com'; 'bill25@sc.rr.com'; 'skfox@bellsouth.net'; 'pricedc@dhec.sc.gov'; 'dobrasko@scdah.state.sc.us'; 'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com'; 'djones@scprt.com'; 'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us'; 'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com'; 'robinsonj@icrc.net'; 'r1shealy@aol.com'; 'jwells@icrc.net'; 'parkin@parkinhunter.com'; 'arsbhs@bellsouth.net'; 'BadrB@dnr.sc.gov'; 'ahler@dnr.sc.gov'; 'mzajac@icrc.net'; 'long@scdah.state.sc.us'; 'sandrar@ccppcrafts.com'; 'wenonahh@ccppcrafts.com'; 'crafton@usit.net'; 'karen@lakemurraycountry.com'; 'Stowc@gwm.sc.edu'; 'ediebold@riverbanks.org'; 'mark_Leao@fws.gov'; 'tflach@thestate.com'; 'mwaddell@esri.sc.edu'; 'PageC@dnr.sc.gov'; 'MikeDuffy@sc.rr.com'; 'camlittlejohn@yahoo.com'; 'wildlife@sc.rr.com'; 'Bigbillcutler@aol.com'; 'dianlog8@aol.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; 'JCharlesFloyd@sc.rr.com'; 'rbickley@lex-co.com'; 'tpowers@newberrycounty.net'; 'millerca@dhec.sc.gov'; 'McKellarH@sc.dnr.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'; 'vinsont@dnr.sc.gov'; Alison Guth
Cc: Alan Stuart; BARGENTIERI@scana.com
Subject: FW: What are VARs?

Good Morning All:

Attached below is a copy of the Energy Industry Issues Newsletter, which provides an informative article entitled "What are VARs". SCE&G recognizes your interest in power and thought this link would provide beneficial information, not only to those in the Operations RCG, but to the other Resource Group members as well. I hope you find this article interesting and informative. Thanks, Alison

From: Energy Industry Issues Newsletter [mailto:ISSUEALERTHTML@HAWK.ATWK.COM] **On Behalf Of** IssueAlert@UTILIPOINT.COM
Sent: Monday, November 21, 2005 3:08 PM
To: ISSUEALERTHTML@HAWK.ATWK.COM
Subject: What are VARs?



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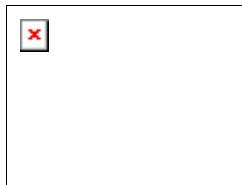
Written and Published by


UTILIPOINT INTERNATIONAL

November 21, 2005

What are VARs?

*By Bob Bellemare
 President and CEO*



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Back in 2003 I wrote an **IssueAlert** on the topic "What is a Megawatt?" (see <http://www.utilipoint.com/issuealert/article.asp?id=1728>). In response to that article, one of our readers challenged me to write an article about VAR. No, I am not talking here about the financial concept of Value At Risk, but something even more mysterious than that-Volt Amperes Reactive. VAR is a unit measure for what we call **imaginary or reactive power**. In this **IssueAlert** we explore some of the basic concepts behind the VAR issue in power systems.

How is Power Measured?

In an alternating current (AC) power system we measure power in two distinct forms known as **real power** and **reactive power**. Real power is often thought of as the power that "does the work" we want, such as the torque created by a motor, while reactive power (known as imaginary power) is the power needed



"allow the work" to happen. A simple illustration demonstrates the concept.

Suppose we want to roll a ball across a hill, from A to spot B in our drawing. We have two problems to address. First we must have a force, Mr. VAR, to hold the ball in place on our hill. Mr. VAR is the force used to do our "real work" of moving the ball across the surface, but he is needed to "allow work" to happen because without Mr. VARs, the ball would simply roll down the hill. In fact, in engineering lingo, if Mr. VARs is not sufficiently strong our system will experience something called a **voltage collapse** and we will have a blackout.

Now enter Mr. MW (Mega-Watt). While Mr. VAR holds the ball on the hill, Mr. MW is the force that pushes the ball across the surface to accomplish the "real work" we want to do, moving the ball from A to B.

Notice that if, instead of a hill, we have a completely flat road, Mr. VARs is no longer needed for Mr. MW to do his work. A completely level surface would be considered ideal because less power is required for our work since Mr. VARs is no longer needed. In power systems we measure the steepness, or level, of our hill by something called the **power factor**. A power factor of 1.0 would be an optimal power system where our surface is, in concept, perfectly level.

What Really are These VARs?

Of course, a power system does not literally have hills and valleys in it. The physical example we just discussed was to illustrate a concept that two forces can be needed to do work we want to do. One force is just to keep the ball from rolling downhill and the other force is to move the ball along the surface.

In alternating current power systems, we have electro-magnetic and electric fields that constantly generate VARs depending on the device. Many devices in the electric power system are "**inductive**" meaning the current flowing in the devices creates electro-magnetic fields that "consume" VARs. For example, an induction motor commonly used in industry or even in a household appliance such as a refrigerator motor driving a compressor, creates magnetic fields when current flows through the windings of the motor. This magnetic field pushes our power system hill more upward because the magnetic field created by the current flowing in wires provides a counter-force in the power system that acts to



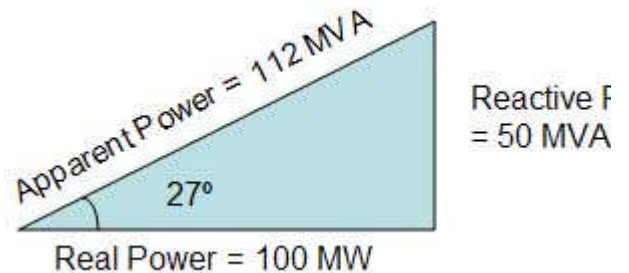
repels changes in current flow. We measure th "inductance" using VARs.

Capacitors, by contrast, "generate" VARs and ; therefore used by power engineers to offset th negative effects of inductive type devices. Pow system operators work to keep VARs generate VARs consumed in balance to prevent the pow system from experiencing a voltage collapse.

The Power Triangle

As mentioned, power systems have two distinc components. 1.) Real power, typically measure watts (W), kilowatts (kW, one thousand watts), Mega watts (MW, one million watts), and 2.) R or Imaginary power, typically measured in VAF kVARs or MVARs. We measure the combinator these two powers as Apparent Power, which is measured in Volt-Amps (VA), kVA, or MVA. Eq ratings in power systems are usually given by apparent power, or MVA, capability. For exam; typical transformer size serving you and your neighbor's house would be rated somewhere ir range of 5 to 50 kVA.

The relationship between the three power measurements is defined by what is known as **power triangle**. Here's where we need a little trigonometry.



Remember Pythagoras Theorem? Sorry if that back some painful memories, but the Theorem actually useful in power system calculations. T **apparent power** is square root of **real power** squared plus **reactive power** squared or, in tl example

$$112MVA = \sqrt{(100 MW)^2 + (50 MVAR)}$$

Now recall power factor is a way to measure th



"steepness" of our power triangle, or hill if you will. One way to calculate power factor is to divide Real Power (MW) by the Apparent Power (MVA), or:

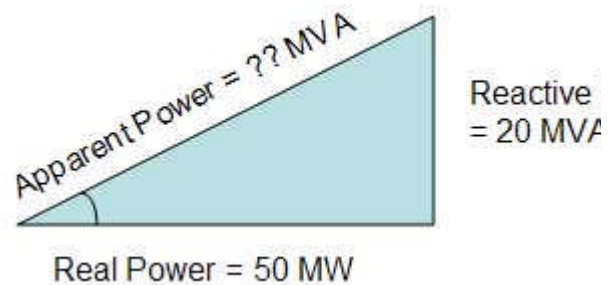
$$\text{Power Factor} = \frac{100 \text{ MW}}{112 \text{ MVA}} = 0.893, \text{ or } 89.3 \text{ percent}$$

For those who remember their trigonometry, the power factor is really the cosine of our triangle's angle, in this case 27 degrees, since the cosine of 27 degrees is 0.893.

Can You Help Our Power Engineer?

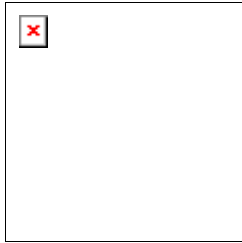
An engineer is working with an industrial customer who is expanding a plant. The industrial client has asked the engineer that the new plant when operating at full capacity will consume a maximum of 50 MW of real power and 20 MVARs of reactive power. What size transformer, in MVA, must be purchased to supply the plant (hint: calculate the apparent power using Pythagoras Theorem)?

The local utility has a policy that if an industrial customer's power factor is below 90 percent (0.9), then the industrial customer will be charged a power factor penalty. In this case will the industrial customer pay such a penalty (hint: calculate the power factor using the formula Real Power divided by Apparent Power)?



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Cheryl Balitz

>>> Alison Guth <Alison.Guth@KleinschmidtUSA.com> 11/29/2005 3:03 PM >>>
Hello Folks,

As many of you may already know, there is a joint Water Quality and Fish and Wildlife RCG

on December 7th (next Wednesday). The purpose of this meeting will primarily be

educational, with presentations from Gina Kirkland and Andy Miller from DHEC, as well as

Jim Ruane, noted water quality expert with Reservoir Environmental Management. A review

of the Site-Specific DO Standard will be given by members of the Kleinschmidt Team as well

(an agenda is located at

<http://www.saludahydrorelicense.com/rcgroups.htm>

<<http://www.saludahydrorelicense.com/rcgroups.htm>>). We encourage you to come even if

you are in another RCG, and bring a interested college/coworker/friend as well. This

meeting will likely last all day and begins at 9:00am at the Saluda Shoals Park

Environmental Center. If you would like to attend this meeting it is very important that

you let me know by December 1st, along with any individuals that are coming with you.

Thanks so much and hope to see you there. ~ Alison

Alison Guth

Licensing Coordinator

Kleinschmidt Associates

101 Trade Zone Drive

Suite 21A

West Columbia, SC 29170

P: (803) 822-3177

F: (803) 822-3183

1

Cheryl Balitz

From: Kim [k.westbury@saludacounty.sc.gov]

Sent: Wednesday, November 30, 2005 12:12 PM

To: Alison Guth

Subject: RE: December 7th RSVP

I have a major initiative meeting that morning as well and won't be able to attend myself.

PLEASE keep me on the list for future meetings.

Thanks-

Kim R. Westbury

-----Original Message-----

From: Prescott Brownell [mailto:Prescott.Brownell@noaa.gov]

Sent: Wednesday, November 30, 2005 9:55 AM

To: Alison Guth

Cc: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com';

'gjobsis@americanrivers.org';

'Bkawasi@sc.rr.com'; 'tufford@sc.edu'; 'truple@sc.rr.com';

'royparker38@earthlink.net';

'marshallb@dnr.sc.gov'; 'bill_hulslander@nps.gov';

'bseibels@riverbanks.org';

'Norm@sc.rr.com'; 'millerca@dhec.sc.gov';

'Stonecypher@istreamconsulting.com';

'jbutler@scana.com'; 'kakustafik@columbiasc.net';

'cfdwaxson@columbiasc.net';

'guyjones@sc.rr.com'; 'Amanda Hill'; Gina Kirkland; Hal Beard;

'Elymay2@aol.com';

'mark_a_cantrell@fws.gov'; 'Tony Bebbber'; 'dchristie@infoave.net';

Danielle Fitzpatrick

From: Alison Guth
Sent: Thursday, December 01, 2005 5:49 PM
To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com'; 'gjobsis@americanrivers.org'; 'cheetahtrk@yahoo.com'; 'Bkawasi@sc.rr.com'; 'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com'; 'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com'; 'millerca@dhec.sc.gov'; 'Stonecypher@isteamconsulting.com'; 'jbutler@scana.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net'; 'guyjones@sc.rr.com'; 'Amanda Hill'; 'Gina Kirkland'; 'Hal Beard'; 'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; 'Tony Bebber'; 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net'; 'RESKKEENER@PBTCOMM.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@scccl.org'; 'pgaines@scprt.com'; 'ipitts@scprt.com'; 'mdavis@scprt.com'; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johnd44@earthlink.net'; 'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com'; 'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net'; 'joyyalicki@aol.com'; 'bull@sc.rr.com'; 'syalicki@carolinacareplan.com'; 'suzrhodes@juno.com'; 'kayakduke@bellsouth.net'; 'miriam@lakemurraycountry.com'; 'bill25@sc.rr.com'; 'skfox@bellsouth.net'; 'pricedc@dhec.sc.gov'; 'dobrasko@scdah.state.sc.us'; 'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com'; 'djones@scprt.com'; 'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us'; 'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com'; 'robinsonj@icrc.net'; 'r1shealy@aol.com'; 'jwells@icrc.net'; 'parkin@parkinhunter.com'; 'arsbhs@bellsouth.net'; 'BadrB@dnr.sc.gov'; 'ahler@dnr.sc.gov'; 'mzajac@icrc.net'; 'long@scdah.state.sc.us'; 'sandrar@ccppcrafts.com'; 'wenonahh@ccppcrafts.com'; 'crafton@usit.net'; 'karen@lakemurraycountry.com'; 'Stowc@gwm.sc.edu'; 'ediebold@riverbanks.org'; 'mark_Leao@fws.gov'; 'tflach@thestate.com'; 'mwaddell@esri.sc.edu'; 'PageC@dnr.sc.gov'; 'MikeDuffy@sc.rr.com'; 'camlittlejohn@yahoo.com'; 'wildlife@sc.rr.com'; 'Bigbillcutler@aol.com'; 'dianlog8@aol.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; 'JCharlesFloyd@sc.rr.com'; 'rbickley@lex-co.com'; 'tpowers@newberrycounty.net'; 'millerca@dhec.sc.gov'; 'McKellarH@sc.dnr.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'; 'vinsont@dnr.sc.gov'; 'rkelly1@sc.rr.com'
Subject: Agenda and Reminder

Good Evening RCG Members,

Attached to this email is a copy of the meeting agenda for the combined Water Quality and Fish & Wildlife meeting on December 7th. Now remember, anyone is welcome to come to this meeting and it is likely to last all day. RSVP's were due today. However, you can still let me know by first thing tomorrow morning. Another thing to notice, this meeting will start at **9:00** in the morning and is at **Saluda Shoals Park's Rivers Center**. I just wanted to point that out in order to make sure we didn't have any individuals wondering why they were the only ones at the usual meeting location. Thanks so much and have a good night. Alison



WQ and FW
12705.pdf (103 KB)

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Saluda Hydro Relicensing
Water Quality Resource Conservation Group

Meeting Agenda

December 7, 2005

9:00 AM

Saluda Shoals Park, The Rivers Center

Presentations:

- Standards and Classifications of Lake Murray and the Lower Saluda River
Gina Kirkland - SCDHEC
 - Status on Impaired Areas within Lake Murray
Andy Miller - SCDHEC
 - A Review of 25 years of Water Quality in Lake Murray
Jim Ruane - Reservoir Environmental Management
- A Review of the QUAL 2 -E Water Quality Model and its Application to Lake Murray
Jim Ruane- Reservoir Environmental Management
- A Review of the Site-Specific Dissolved Oxygen Standard
Alan Stuart/Shane Boring -Kleinschmidt



Danielle Fitzpatrick

From: Alan Stuart
Sent: Monday, December 05, 2005 8:51 AM
To: 'bellsteve9339@bellsouth.net'
Cc: Alison Guth
Subject: Standard L Articles

Steve,

I believe one of my homework assignments was to provide you with the Standard License Articles. The link I've pasted below takes you to all Standard L Articles. Saluda is considered a motor project on navigable waters of the US and I believe this is L-3. However, the link provides all standard Articles from minor unconstructed to conduit facilities.

<http://www.ferc.gov/industries/hydropower/gen-info/l-forms.asp>

Look forward to seeing you tomorrow.

regards,
Alan

Alan W. Stuart
Senior Licensing Coordinator

KLEINSCHMIDT

Energy & Water Resource Consultants

101 Trade Zone Drive Suite 21

West Columbia, SC 29170

phone: (803) 822-3177

Cellular: (803) 640-8765

fax: (803) 822-3183

www.kleinschmidtusa.com

Danielle Fitzpatrick

From: BARGENTIERI@scana.com
Sent: Wednesday, December 07, 2005 7:32 AM
To: Alan Stuart; Alison Guth
Subject: Operations MS and Model Outputs

Alan / Alison,

Attached please find the subject documents that were developed at yesterday's meeting.

[William R. Argentieri](#)
South Carolina Electric & Gas Company
111 Research Drive
Columbia, SC 29203

Phone - (803) 217-9162
Fax - (803) 933-7849
Cell - (803) 331-0179

OPERATIONS RESOURCE CONSERVATION GROUP

MISSION STATEMENT

The Mission of the Operations Resource Conservation Group (ORCG) is to develop a robust hydrologic model for the Saluda Project which will establish a baseline of current hydrologic, hydraulic, and operational conditions, and aid in analyzing and understanding the potential upstream and downstream effects of potential changes to project operations, in support of the missions and goals of all other Saluda Hydroelectric Relicensing RCGs. The objective is to fairly consider those impacts to include low-flow conditions as a part of developing consensus-based; operations focused recommendations for the FERC license application. Model results are to be presented in readily understandable terms and format. A key measure of success in achieving the mission and goals will be a

published Protection, Mitigation, and
Enhancement (PM&E) Agreement.

DRAFT

Model Outputs

Lake levels

LSR Flows

Inflows

Generation

Storage

Frequency, Magnitude and Duration of demand satisfaction

Graphic Ability

Interactive Model Front

Format Friendly – software compatible with other models

'bellsteve9339
@bellsouth.net'; 'RESKKEENER@PBTCOMM.Net'; 'rkidder@pbtcomm.net';
'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com';
'network@scpronet.com';
'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@scccl.org';
'pgaines@scprt.com'; 'ipitts@scprt.com'; 'mdavis@scprt.com';
'leachs@dnr.sc.gov';
'lbarber@sc.rr.com'; 'johned44@earthlink.net'; 'rjernigan@scfbins.com';
'dlandis1
@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com';
'tyle6544@bellsouth.net';
'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net';
'joyyalicki@aol.com'; 'bbull@sc.rr.com';
'syalicki@carolinacareplan.com';
'suzrhodes@juno.com'; 'kayakduke@bellsouth.net';
'miriam@lakemurraycountry.com'; 'bill25
@sc.rr.com'; 'skfox@bellsouth.net'; 'pricedc@dhec.sc.gov';
'dobrasko@scdah.state.sc.us';
'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com';
'djones@scprt.com';
'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us';
'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com';
'robinsonj@icrc.net';
'rlshealy@aol.com'; 'jwells@icrc.net'; 'parkin@parkinhunter.com';
'arsbhs@bellsouth.net';
'BadrB@dnr.sc.gov'; 'ahler@dnr.sc.gov'; 'mzajac@icrc.net';
'sandrar@ccppcrafts.com';
'wenonahh@ccppcrafts.com'; 'crafton@usit.net';
'karen@lakemurraycountry.com';
'Stowc@gwm.sc.edu'; 'ediebold@riverbanks.org'; 'mark_Leao@fws.gov';
'tflach@thestate.com';
'mwaddell@esri.sc.edu'; 'PageC@dnr.sc.gov'; 'MikeDuffy@sc.rr.com';
'camlittlejohn@yahoo.com'; 'wildlife@sc.rr.com';
'Bigbillcutler@aol.com'; 'dianlog8
@aol.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com';
'JCharlesFloyd@sc.rr.com';
'rbickley@lex-co.com'; 'tpowers@newberrycounty.net';
'McKellarH@sc.dnr.gov';
'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com';
'vinsont@dnr.sc.gov'

Subject: Re: December 7th RSVP

Hello Alison,

National Marine Fisheries Service will not attend the December 7
meeting nor other RCG meetings next week. I will be at another project
meeting that date.

regards

P. Brownell

Alison Guth wrote:

> Hello Folks,

>>

As many of you may already know, there is a joint Water Quality and
> Fish and Wildlife RCG on December 7th (next Wednesday). The purpose
> of this meeting will primarily be educational, with presentations from
2

> Gina Kirkland and Andy Miller from DHEC, as well as Jim Ruane, noted
> water quality expert with Reservoir Environmental Management. A
> review of the Site-Specific DO Standard will be given by members of
> the Kleinschmidt Team as well (an agenda is located at
> [_http://www.saludahydrorelicense.com/rcgroups.htm_](http://www.saludahydrorelicense.com/rcgroups.htm)). We encourage you
> to come even if you are in another RCG, and bring a interested
> college/coworker/friend as well. This meeting will likely last all
> day and begins at 9:00am at the Saluda Shoals Park Environmental
> Center. If you would like to attend this meeting it is very important
> that you let me know by December 1st, along with any individuals that

> are coming with you. Thanks so much and hope to see you there. ~
Alison

>>>>

Alison Guth
> Licensing Coordinator
> /Kleinschmidt Associates/
> 101 Trade Zone Drive
> Suite 21A
> West Columbia, SC 29170
> P: (803) 822-3177
> F: (803) 822-3183
>>

Cheryl Balitz

From: Tom Stonecypher [Stonecypher@iStreamConsulting.com]

Sent: Wednesday, November 30, 2005 4:22 PM

To: Alison Guth

Cc: Alan Stuart; RMAHAN@scana.com; Bill Marshall

Subject: Re: December 7th RSVP

Page 1 of 3 Message

6/18/2007

Hello, Alison,

I apologize for using disparaging words about the process. Especially after you offered lunch! I know you all are working very hard to satisfy a number of fundamentally opposing requirements. This is a tough job and I very much appreciate your efforts to this end. I understand about the need for agency involvement and that people have travel constraints and family lives.

Ultimately, these agencies are the servants of the people. The laws that created the agencies were derived from

the will of the people. The agency budgets derive from the tax base that we all generate. I argue that it's

important to include the populace, who are the ultimate bosses of the agencies (and customers of SCE&G), in the

process. The only way to do this is to build in some compromise in scheduling. I gather that the relicensing

process is all about compromise - shouldn't scheduling be included in the compromises? I think people will

probably be satisfied with schedules that greatly favor agency personnel, as long as there's *some* opportunity for

others to participate.

I realize this is a tough problem and SCE&G is attempting to deal with realities as best they can.

thanks,

Tom

----- Original Message -----

From: Alison Guth

To: 'Tom Stonecypher'

Cc: Alan Stuart ; 'rmahan@scana.com'

Sent: Wednesday, November 30, 2005 10:33 AM

Subject: RE: December 7th RSVP

Dear Tom,

I am very sorry that you feel this way. It is very hard, near impossible to please everyone in this regard. As,

you may surmise, the subject of evening meetings has come up to benefit those working individuals who would

like to participate. However this truly is a difficult issue to address with the host of countervailing considerations

to take into account. It has been noted by both Alan and Randy in the meetings that should it be decided by a particular resource group that an evening meeting, or some other alternate meeting time be deemed better for those involved, then it is certainly viable. It is absolutely required, however, that the State and federal resource agency representatives be accommodated in the meeting schedules. Their participation and input is not optional. Any application SCE&G might file without evidence of full and fair agency participation and consideration will fail. Hence, the daytime schedule works best for those folks, who also are involved in the Catawba/Wateree and the Santee Cooper relicensing processes, and others. Every agency's resources are being stretched very thin, and to expect those folks to be available for evening meetings is not realistic. More than one agency representative has expressed that sentiment strongly as well. Even so, the possibility of having an evening meeting was brought up in the Operations RCG last week. It was not met with much favor.

Please understand - in no way are we trying to exclude anyone's participation. Consider, however, the following issues and potential problems associated with evening meetings: 1) As the process moves forward we expect to require all day meetings to make the most efficient use of participants' times possible. 2) Many (if not most) of these meetings will go for 6-8 hours, and on occasion more, in order to accomplish what is necessary. The experience of other hydro relicensing group meetings proves this not to be unlikely, 3) Should we begin a meeting after 6:00 p.m., we could continue into the "witching hour" and beyond. This would pose an even more difficult work problem for those who may have to travel some distance to get home. For example, the U.S. Fish and Wildlife Service personnel are stationed in Charleston. The travel time for them to get here to Columbia also rules out the option of starting the meeting too early in the morning. And, even though we might not like to hear it, we are told with some frequency and earnestness that travel budgets for agency personnel are tight, and overnight stays are frowned upon unless absolutely necessary. It is difficult to ask folks to put in an 8 hour day and a 5 hour night.

Due to the fact that many stakeholders (both agencies and NGO representatives) are involved with other relicensing proceedings in the region, we plan our meetings at the beginning of the month. These other relicensing proceedings largely have blocked out time at the end of the month for their meetings. As those other relicensing proceedings wind down, we may have more flexibility, but at this point we see little room for latitude. Nevertheless, should you still believe an alternative time would be better for the group as a whole, please let someone in your group that you trust will well present your suggestion know, or you are more than welcome to submit any comments to myself and SCE&G. The meeting time issue ultimately will be resolved

within the resource groups, subject to the requirement that agency personnel availability control. In the future, we would hope to be able to prepare the agenda to schedule those interests which are of special importance to specific groups for a time certain in the morning or the afternoon to assist in accommodating some of the individual needs. We will plan activities for the rest of those days to meet the necessities of the regulatory framework. We recognize that you have a great deal of interest in, and a lot to contribute to, the relicensing of Saluda Hydro. We hope you can continue to be an active participant throughout the process. There is no process that guarantees that everyone who might wish to do so, can participate in person at every session. We strongly encourage persons whose life schedules do not allow their attendance at the meetings to work through others who will be involved to assure that their issues are raised and addressed. We appreciate your comments and efforts and hope to see you at upcoming meetings.

Regards,
Alison

-----Original Message-----

From: Tom Stonecypher [mailto:Stonecypher@iStreamConsulting.com]

Sent: Wednesday, November 30, 2005 10:04 AM

To: Alison Guth

Subject: Re: December 7th RSVP

Hello, Alison,

I won't be able to attend this meeting.

Please pass on my regrets and my sincere hope that future meetings will be scheduled in such a way that a majority of stakeholders can participate. The process so far is going very badly simply due to scheduling.

thanks

Tom

----- Original Message -----

From: Alison Guth

To: 'Jeff_Duncan@NPS.gov' ; 'Keith_Ganz_Sarto@hotmail.com' ; 'gjobsis@americanrivers.org' ;

Page 2 of 3 Message

6/18/2007

'cheetahrk@yahoo.com' ; 'Bkawasi@sc.rr.com' ; 'flyhotair@greenwood.net' ;

'lmichalec@aol.com' ;

'tufford@sc.edu' ; 'truple@sc.rr.com' ; 'royparker38@earthlink.net' ; 'marshallb@dnr.sc.gov' ;

'bill_hulslander@nps.gov' ; 'bseibels@riverbanks.org' ; 'Norm@sc.rr.com' ;

'millerca@dhec.sc.gov' ;

'Stonecypher@isteamconsulting.com' ; 'jbutler@scana.com' ; 'kakustafik@columbiasc.net' ;

'cfdwaxson@columbiasc.net' ; 'guyjones@sc.rr.com' ; 'Amanda Hill' ; Gina Kirkland ; Hal Beard ;

'Elymay2@aol.com' ; 'mark_a_cantrell@fws.gov' ; 'Prescott.Brownell@NOAA.gov' ; 'Tony Bebber' ;

;

'dchristie@infoave.net' ; 'bellsteve9339@bellsouth.net' ; 'RESKKEENER@PBTComm.Net' ;

'rkidder@pbtcomm.net' ; 'tbrooks@newberrycounty.net' ; 'Lucky8Lady@aol.com' ;

'network@scpronet.com' ; 'eschnepel@sc.rr.com' ; 'malcolml@mailbox.sc.edu' ;

'PatrickM@sccl.org' ;

'pgaines@scprt.com' ; 'ipitts@scprt.com' ; 'mdavis@scprt.com' ; 'leachs@dnr.sc.gov' ;

'lbarber@sc.rr.com' ; 'johnd44@earthlink.net' ; 'rjernigan@scfbins.com' ; 'dlandis1@sc.rr.com' ;
'billeast@sc.rr.com' ; 'mdmurr@sc.rr.com' ; 'tyle6544@bellsouth.net' ; 'wwending@sc.rr.com' ;
'samnancydrake@aol.com' ; 'rlavisky@alltel.net' ; 'joyyalicki@aol.com' ; 'bull@sc.rr.com' ;
'syalicki@carolinacareplan.com' ; 'suzrhodes@juno.com' ; 'kayakduke@bellsouth.net' ;
'miriam@lakemurraycountry.com' ; 'bill25@sc.rr.com' ; 'skfox@bellsouth.net' ;
'pricedc@dhec.sc.gov' ;
'dobrasko@scdah.state.sc.us' ; 'bgreen@trcsolutions.com' ; 'Wenonahh@www.ccppcrafts.com' ;
'djones@scprt.com' ; 'judgec@dnr.sc.gov' ; 'leader@sc.edu' ; 'long@scdah.state.sc.us' ;
'snorris@trcsolutions.com' ; 'sandrar@www.ccppcrafts.com' ; 'robinsonj@icrc.net' ;
'r1shealy@aol.com' ; 'jwells@icrc.net' ; 'parkin@parkinhunter.com' ; 'arsbhs@bellsouth.net' ;
'BadrB@dnr.sc.gov' ; 'ahler@dnr.sc.gov' ; 'mzajac@icrc.net' ; 'long@scdah.state.sc.us' ;
'sandrar@ccppcrafts.com' ; 'wenonahh@ccppcrafts.com' ; 'crafton@usit.net' ;
'karen@lakemurraycountry.com' ; 'Stowc@gwm.sc.edu' ; 'ediebold@riverbanks.org' ;
'mark_Leao@fws.gov' ; 'tflach@thestate.com' ; 'mwaddell@esri.sc.edu' ; 'PageC@dnr.sc.gov' ;
'MikeDuffy@sc.rr.com' ; 'camlittlejohn@yahoo.com' ; 'wildlife@sc.rr.com' ; 'Bigbillcutler@aol.com' ;
;
'dianlog8@aol.com' ; 'rscott@lex-co.com' ; 'BertFloyd@sc.rr.com' ; 'JCharlesFloyd@sc.rr.com' ;
'rbickley@lex-co.com' ; 'tpowers@newberrycounty.net' ; 'millerca@dhec.sc.gov' ;
'McKellarH@sc.dnr.gov' ; 'k.westbury@saludacounty.sc.gov' ; 'ccompton@lex-co.com' ;
'vinsont@dnr.sc.gov'

Sent: Tuesday, November 29, 2005 3:03 PM

Subject: December 7th RSVP

Hello Folks,

As many of you may already know, there is a joint Water Quality and Fish and Wildlife RCG on December 7th (next Wednesday). The purpose of this meeting will primarily be educational, with presentations from Gina Kirkland and Andy Miller from DHEC, as well as Jim Ruane, noted water quality expert with Reservoir Environmental Management. A review of the Site -Specific DO Standard

will be given by members of the Kleinschmidt Team as well (an agenda is located at <http://www.saludahydrorelicense.com/rcgroups.htm>). We encourage you to come even if you are in

another RCG, and bring a interested college/coworker/friend as well. This meeting will likely last all day

and begins at 9:00am at the Saluda Shoals Park Environmental Center. If you would like to attend this

meeting it is very important that you let me know by December 1st, along with any individuals that are

coming with you. Thanks so much and hope to see you there. ~ Alison

Alison Guth

Licensing Coordinator

Kleinschmidt Associates

101 Trade Zone Drive

Suite 21A

West Columbia, SC 29170

P: (803) 822-3177

F: (803) 822-3183

Page 3 of 3 Message

6/18/2007

Cheryl Balitz

From: Bill Marshall [MarshallB@dnr.sc.gov]

Sent: Monday, December 05, 2005 1:49 PM

To: Tom Stonecypher; Alison Guth

Cc: Alan Stuart; RMAHAN@scana.com

Subject: RE: December 7th RSVP

Page 1 of 4 Message

6/18/2007

Friends,

I agree with Tom on this.

The meetings thus far seem to be taking 5 or 6 hours, including a lunch hour. Perhaps you could suggest a schedule from 1:00 to 6:00 PM (a no lunch, just snacks schedule), or perhaps a 2:00 to 8:00 pm

schedule with a simple supper.

We could propose some such schedule and see if it will make a difference for those concerned.

Thanks,

Bill Marshall

From: Tom Stonecypher [mailto:Stonecypher@iStreamConsulting.com]

Sent: Wednesday, November 30, 2005 4:22 PM

To: Alison Guth

Cc: Alan Stuart; rmahan@scana.com; Bill Marshall

Subject: Re: December 7th RSVP

Hello, Alison,

I apologize for using disparaging words about the process. Especially after you offered lunch! I know you all are

working very hard to satisfy a number of fundamentally opposing requirements. This is a tough job and I very

much appreciate your efforts to this end. I understand about the need for agency involvement and that people

have travel constraints and family lives.

Ultimately, these agencies are the servants of the people. The laws that created the agencies were derived from

the will of the people. The agency budgets derive from the tax base that we all generate. I argue that it's

important to include the populace, who are the ultimate bosses of the agencies (and customers of SCE&G), in the

process. The only way to do this is to build in some compromise in scheduling. I gather that the relicensing

process is all about compromise - shouldn't scheduling be included in the compromises? I think people will

probably be satisfied with schedules that greatly favor agency personnel, as long as there's *some* opportunity for

others to participate.

I realize this is a tough problem and SCE&G is attempting to deal with realities as best they can.

thanks,

Tom

----- Original Message -----

From: Alison Guth

To: 'Tom Stonecypher'

Cc: Alan Stuart ; 'rmahan@scana.com'

Sent: Wednesday, November 30, 2005 10:33 AM

Subject: RE: December 7th RSVP

Dear Tom,

I am very sorry that you feel this way. It is very hard, near impossible to please everyone in this regard. As, you

may surmise, the subject of evening meetings has come up to benefit those working individuals who would like

to participate. However this truly is a difficult issue to address with the host of countervailing considerations to

take into account. It has been noted by both Alan and Randy in the meetings that should it be decided by a

particular resource group that an evening meeting, or some other alternate meeting time be

Danielle Fitzpatrick

From: BARGENTIERI@scana.com
Sent: Thursday, December 08, 2005 5:02 PM
To: Alison Guth
Cc: Alan Stuart; RMAHAN@scana.com
Subject: FW: Saluda Hydro Relicensing Project - January 12 Public Meeting Newspaper Ads



Lake Murray News 5.083x7.pdf (...
Lexington Chronicle 5.667x10.5...
Newberry Observer 5.667x10.75...
Saluda Sentinel 6.4375x10.pdf ...
The State Ad 5.173x10.5.pdf (1...

Alison,

This is the correct copy of the newspaper ad for our January 12 public meeting. Please send this to all of the members of the RCGs and ask that they notify their membership of this meeting.

Thanks for your assistance with this matter.

Bill

-----Original Message-----

From: YANITY, ROBERT
Sent: Thursday, December 08, 2005 12:09 PM
To: ARGENTIERI, WILLIAM R
Subject: FW: Saluda Hydro Relicensing Project - January 12 Public Meeting Newspaper Ads

Bill, here are the new ads. ---Robert

-----Original Message-----

From: PEARSON, JAMES H JR
Sent: Thursday, December 08, 2005 10:04 AM
To: YANITY, ROBERT
Subject: FH-05-141 Saluda Hydro Relicensing Project

Saluda

HYDRO

RELICENSING PUBLIC MEETING

South Carolina Electric & Gas will apply for a new license for the Saluda Hydroelectric Project at Lake Murray. State and federal resource agencies, homeowners groups, environmental and recreational groups will play significant roles in this process.

Quarterly public meetings will be held to enhance the process, which is designed to increase public involvement for identifying issues and alternatives.

The next meetings will be held at the following times and location:

JANUARY 12
10 A.M. AND 7 P.M.

SALUDA SHOALS PARK
5605 Old Bush River Road
Columbia, SC

FOR MORE INFORMATION,
visit the Web site at
www.SaludaHydroRelicense.com.

See you there.

Saluda

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Saluda

H Y D R O

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5605 Old Bush River Road, Columbia, SC

FOR MORE INFORMATION,
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See you there.

Danielle Fitzpatrick

From: Alison Guth
Sent: Friday, December 16, 2005 2:24 PM
To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com'; 'gjobsis@americanrivers.org'; 'cheetahtrk@yahoo.com'; 'Bkawasi@sc.rr.com'; 'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com'; 'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com'; 'millerca@dhec.sc.gov'; 'Stonecypher@isteamconsulting.com'; 'jbutler@scana.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net'; 'guyjones@sc.rr.com'; 'Amanda Hill'; 'Gina Kirkland'; 'Hal Beard'; 'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; 'Tony Bebbler'; 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net'; 'RESKKEENER@PBTCOMM.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@scccl.org'; 'pgaines@scprt.com'; 'ipitts@scprt.com'; 'mdavis@scprt.com'; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johnd44@earthlink.net'; 'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com'; 'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net'; 'joyyalicki@aol.com'; 'bull@sc.rr.com'; 'syalicki@carolinacareplan.com'; 'suzrhodes@juno.com'; 'kayakduke@bellsouth.net'; 'miriam@lakemurraycountry.com'; 'bill25@sc.rr.com'; 'skfox@bellsouth.net'; 'pricedc@dhec.sc.gov'; 'dobrasko@scdah.state.sc.us'; 'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com'; 'djones@scprt.com'; 'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us'; 'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com'; 'robinsonj@icrc.net'; 'r1shealy@aol.com'; 'jwells@icrc.net'; 'parkin@parkinhunter.com'; 'arsbhs@bellsouth.net'; 'BadrB@dnr.sc.gov'; 'ahler@dnr.sc.gov'; 'mzajac@icrc.net'; 'long@scdah.state.sc.us'; 'sandrar@ccppcrafts.com'; 'wenonahh@ccppcrafts.com'; 'crafton@usit.net'; 'karen@lakemurraycountry.com'; 'Stowc@gwm.sc.edu'; 'ediebold@riverbanks.org'; 'mark_Leao@fws.gov'; 'tflach@thestate.com'; 'mwaddell@esri.sc.edu'; 'PageC@dnr.sc.gov'; 'MikeDuffy@sc.rr.com'; 'camlittlejohn@yahoo.com'; 'wildlife@sc.rr.com'; 'Bigbillcutler@aol.com'; 'dianlog8@aol.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; 'JCharlesFloyd@sc.rr.com'; 'rbickley@lex-co.com'; 'tpowers@newberrycounty.net'; 'millerca@dhec.sc.gov'; 'McKellarH@dnr.sc.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'; 'vinsont@dnr.sc.gov'; 'rkelly1@sc.rr.com'; 'adventurec@mindspring.com'; 'bargentieri@scana.com'; 'rmahan@scana.com'; 'jdevereaux@scana.com'; 'ssummer@scana.com'; 'tbowles@scana.com'; 'vhoffman@scana.com'; 'msummer@scana.com'; 'tboozer@scana.com'; 'dhancock@SCANA.com'; 'btrump@scana.com'; Alan Stuart; Shane Boring
Subject: Dispatch and Hydro Tours

Good Afternoon RCG Participants,

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So how do you go about signing up? Well, I have listed below the tour dates for each location. When you have decided upon a date, please send me an email with the date and time of the tour that you would like to attend. I will then add your name to the sign-up sheet posted on the website for that particular date and time (<http://www.saludahydrolicense.com/rcgroups.htm>), and scroll down to announcements). It would be beneficial to check that sign up sheet beforehand to make sure there are still places available for the date and time that you prefer.

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Thanks and Happy Holidays,

Alison

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Sent: Friday, December 16, 2005 2:24 PM

To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com'; 'gjobsis@americanrivers.org'; 'cheetahtk@yahoo.com'; 'Bkawasi@sc.rr.com'; 'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com'; 'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com'; 'millerca@dhec.sc.gov'; 'Stonecypher@istreamconsulting.com'; 'jbutler@scana.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net'; 'guyjones@sc.rr.com'; 'Amanda Hill'; Gina Kirkland; Hal Beard; 'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; Tony Bebbler; 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net'; 'RESKKEENER@PBTComm.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@sccll.org'; Phil Gaines; Irvin Pitts; Mark Davis; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johnd44@earthlink.net'; 'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com'; 'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net'; 'joyyalicki@aol.com'; 'bbull@sc.rr.com'; 'syalicki@carolinacareplan.com'; 'suzrhodes@juno.com'; 'kayakduke@bellsouth.net'; 'miriam@lakemurraycountry.com'; 'bill25@sc.rr.com'; 'skfox@bellsouth.net'; 'pricedc@dhec.sc.gov'; 'dobrasko@scdah.state.sc.us'; 'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com'; David Jones; 'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us'; 'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com'; 'robinsonj@icrc.net'; 'r1shealy@aol.com'; 'jwells@icrc.net'; 'parkin@parkinhunter.com'; 'arsbhs@bellsouth.net'; 'BadrB@dnr.sc.gov'; 'ahler@dnr.sc.gov'; 'mzajac@icrc.net'; 'long@scdah.state.sc.us'; 'sandrar@ccppcrafts.com'; 'wenonahh@ccppcrafts.com'; 'crafton@usit.net'; 'karen@lakemurraycountry.com'; 'Stowc@gwm.sc.edu'; 'ediebold@riverbanks.org'; 'mark_Leao@fws.gov'; 'tflach@thestate.com'; 'mwaddell@esri.sc.edu'; 'PageC@dnr.sc.gov'; 'MikeDuffy@sc.rr.com'; 'camlittlejohn@yahoo.com'; 'wildlife@sc.rr.com'; 'Bigbillcutler@aol.com'; 'dianlog8@aol.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; 'JCharlesFloyd@sc.rr.com'; 'rbickley@lex-co.com'; 'tpowers@newberrycounty.net'; 'millerca@dhec.sc.gov'; 'McKellarH@dnr.sc.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'; 'vinsont@dnr.sc.gov'; 'rkelly1@sc.rr.com'; 'adventurec@mindspring.com'; bargentieri@scana.com; rmahan@scana.com; jdevereaux@scana.com; ssummer@scana.com; tbowles@scana.com; vhoffman@scana.com; msummer@scana.com; tboozer@scana.com; dhancock@SCANA.com; btrump@scana.com; Alan Stuart; Shane Boring

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Thanks and Happy Holidays,
Alison

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Cheryl Balitz

From: Tony Bebber [tbebbber@scprt.com]
Sent: Monday, December 19, 2005 8:59 AM
To: Alison Guth
Subject: RE: Dispatch and Hydro Tours

Please sign me up for the

Dispatch Tour, Jan 9, 10:00 (alternate Jan 9, 2:00)
Hydro Tour, Jan 12, 1:00 (alternate Jan 5, 10:00)

Thanks,
Tony

Tony Bebber, AICP

Planning Manager

South Carolina Dept. of Parks,

Recreation & Tourism

1205 Pendleton Street

Columbia, SC 29201

803-734-0189

803-734-1042 fax

tbebbber@scprt.com

websites: www.discoveringsouthcarolina.com

www.SouthCarolinaParks.com

www.SCTrails.net

So many parks. So much FALL fun! So what are you waiting for? Make your State Park vacation plans for FALL today! Call 1-866-345-PARK (7275) or reserve online at www.SouthCarolinaParks.com.

From: Alison Guth [mailto:Alison.Guth@KleinschmidtUSA.com]

6/18/2007

Danielle Fitzpatrick

From: Alison Guth
Sent: Tuesday, January 17, 2006 4:14 PM
To: 'Jeff_Duncan@NPS.gov'; 'Keith_Ganz_Sarto@hotmail.com'; 'gjobsis@americanrivers.org'; 'cheetahtrk@yahoo.com'; 'Bkawasi@sc.rr.com'; 'flyhotair@greenwood.net'; 'lmichalec@aol.com'; 'tufford@sc.edu'; 'truple@sc.rr.com'; 'royparker38@earthlink.net'; 'marshallb@dnr.sc.gov'; 'bill_hulslander@nps.gov'; 'bseibels@riverbanks.org'; 'Norm@sc.rr.com'; 'millerca@dhec.sc.gov'; 'Stonecypher@isteamconsulting.com'; 'jbutler@scana.com'; 'kakustafik@columbiasc.net'; 'cfdwaxson@columbiasc.net'; 'guyjones@sc.rr.com'; 'Amanda Hill'; 'Gina Kirkland'; 'Hal Beard'; 'Elymay2@aol.com'; 'mark_a_cantrell@fws.gov'; 'Prescott.Brownell@NOAA.gov'; 'Tony Bebbler'; 'dchristie@infoave.net'; 'bellsteve9339@bellsouth.net'; 'RESKKEENER@PBTCOMM.Net'; 'rkidder@pbtcomm.net'; 'tbrooks@newberrycounty.net'; 'Lucky8Lady@aol.com'; 'network@scpronet.com'; 'eschnepel@sc.rr.com'; 'malcolml@mailbox.sc.edu'; 'PatrickM@scccl.org'; 'pgaines@scprt.com'; 'ipitts@scprt.com'; 'mdavis@scprt.com'; 'leachs@dnr.sc.gov'; 'lbarber@sc.rr.com'; 'johned44@earthlink.net'; 'rjernigan@scfbins.com'; 'dlandis1@sc.rr.com'; 'billeast@sc.rr.com'; 'mdmurr@sc.rr.com'; 'tyle6544@bellsouth.net'; 'wwending@sc.rr.com'; 'samnancydrake@aol.com'; 'rlavisky@alltel.net'; 'joyyalicki@aol.com'; 'bull@sc.rr.com'; 'syalicki@carolinacareplan.com'; 'suzrhodes@juno.com'; 'kayakduke@bellsouth.net'; 'miriam@lakemurraycountry.com'; 'bill25@sc.rr.com'; 'pricedc@dhec.sc.gov'; 'dobrasko@scdah.state.sc.us'; 'bgreen@trcsolutions.com'; 'Wenonahh@www.ccppcrafts.com'; 'djones@scprt.com'; 'judgec@dnr.sc.gov'; 'leader@sc.edu'; 'long@scdah.state.sc.us'; 'snorris@trcsolutions.com'; 'sandrar@www.ccppcrafts.com'; 'robinsonj@icrc.net'; 'r1shealy@aol.com'; 'jwells@icrc.net'; 'parkin@parkinhunter.com'; 'arsbhs@bellsouth.net'; 'BadrB@dnr.sc.gov'; 'ahler@dnr.sc.gov'; 'mzajac@icrc.net'; 'long@scdah.state.sc.us'; 'sandrar@ccppcrafts.com'; 'wenonahh@ccppcrafts.com'; 'crafton@usit.net'; 'karen@lakemurraycountry.com'; 'Stowc@gwm.sc.edu'; 'ediebold@riverbanks.org'; 'mark_Leao@fws.gov'; 'tflach@thestate.com'; 'mwaddell@esri.sc.edu'; 'PageC@dnr.sc.gov'; 'MikeDuffy@sc.rr.com'; 'camlittlejohn@yahoo.com'; 'wildlife@sc.rr.com'; 'Bigbillcutler@aol.com'; 'dianlog8@aol.com'; 'rscott@lex-co.com'; 'BertFloyd@sc.rr.com'; 'JCharlesFloyd@sc.rr.com'; 'rbickley@lex-co.com'; 'tpowers@newberrycounty.net'; 'millerca@dhec.sc.gov'; 'McKellarH@dnr.sc.gov'; 'k.westbury@saludacounty.sc.gov'; 'ccompton@lex-co.com'; 'vinsont@dnr.sc.gov'; 'rkelly1@sc.rr.com'; 'adventurec@mindspring.com'; 'skfox@sc.rr.com'; 'BARGENTIERI@scana.com'; 'ryanity@scana.com'; Alan Stuart; RMAHAN@scana.com

Subject: Tree Seedling Giveaway

Hello all,

Attached is SCE&G's most recent news release that is regarding the Tree Seedling Giveaway to Lake property owners. You can find this article, along with other recent articles, on the News Releases page of the Relicensing Website <http://www.saludahydrorelicense.com/NewsReleases.htm>. Thanks! Alison



02-02-2006 Tree
Seedlings.pdf ...

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183



For Immediate Release

Contact: Public Affairs 1-800-562-9308

SCE&G to give away tree seedlings to enhance Lake Murray shoreline

COLUMBIA, S.C. (Jan. 17, 2006) – As part of the shoreline enhancement project for Lake Murray, SCE&G will give away tree seedlings later this month. The giveaway will take place on Friday, Feb. 17, from 3 to 6 p.m. and on Saturday, Feb. 18, from 9 a.m. until noon at the SCE&G Public Park located on the Irmo side of the Lake Murray Dam.

The Lake Murray Shoreline Habitat Enhancement Project is a cooperative effort between SCE&G, the Department of Natural Resources and lake interest groups. It is designed to improve the aesthetics of the lake's shoreline, help control erosion, re-establish shoreline vegetation and protect water quality.

Tommy Boozer, who heads up SCE&G's lake management activities, said the planting of bald Cypress trees and other vegetation helps enhance the fishing habitat and reduce shoreline erosion. "This program is designed as a long-term project to re-establish shoreline vegetation," said Boozer. "It will take a cooperative effort between lake management agencies, the general public and individual property owners to make the project a success."

The seedlings will be distributed in bundles of 10 and 15 trees and will be free of charge for lake residents. Planting instructions will be provided.

This is the ninth year of the tree giveaway, which has provided trees for hundreds of property owners. The trees that will be available this year are Cypress, River Birch, Willows and Button Bushes. "This is a great opportunity for individuals and lake groups to get involved by planting shoreline vegetation and enhancing wildlife habitat," said Boozer. "They will be available for lake property owners to pick up and plant on the shoreline in front of their lots."

--more--

SCE&G to give away tree seedlings to enhance Lake Murray shoreline *continued*

If you have any questions concerning the Habitat Enhancement Project, please call SCE&G's Lake Management Department at 803-217-9221 for information.

South Carolina Electric & Gas Company is a regulated public utility engaged in the generation, transmission, distribution and sale of electricity to approximately 597,000 customers in 24 counties in the central, southern and southwestern portions of South Carolina. The company also provides natural gas service to approximately 283,000 customers in 34 counties in the state. Information about SCE&G is available on the company's web site at www.sceg.com.

###

Cheryl Balitz

From: RMAHAN@scana.com
Sent: Wednesday, January 18, 2006 3:59 PM
To: C Coleman
Subject: RE: Warning Sirens Report---answering a requested reply

A question just for you, Charlene. No need to respond. Just think about it. For this is my concern. We can talk about it in the context of the Safety and/or Operations RCG process.

The only safe response of folks recreating in the river (contact recreation and rock sitting, not boating or shoreline fishing) is to **leave the river** - until it is clear that the river is not rising to a level that makes continued contact recreation or rock sitting within the river unsafe. Exactly how does "ramping" enhance the likelihood of that "leave the river" response? Isn't it more likely to work against it? Won't folks allowed to become accustomed to "ramping," i.e. not worrying that the river will continue to come up at a rate that requires them to exercise good judgment and to leave, be "lulled" into a false sense of security? Won't they believe that the first rise is just a small one – a sort of warning that more may come later, but also in "manageable" increments, and that plenty of time remains for them to get out? And if so, what happens when we must respond to a system emergency with Saluda and must get 200+ MW online within 15 minutes? How do we alert them that, "It ain't a ramping flow; it's the whole enchilada. Get out of the river – NOW!"? You aren't suggesting that SCE&G just give up on Saluda as reserves or just pretend that they are reserves and hope against hope that we'll never be called upon to meet our reserve obligations with Saluda, are you?

I am absolutely convinced that when dealing with the public, keeping with the KISS principle is imperative. Keep It Simple Stupid! If you hear the siren and/or see the flashing lights, GET OUT OF THE RIVER!" Even the most ignorant and stupid segment of the population can understand a simple action/reaction relationship like, "siren or light, get out." To attempt anything more complex or requiring more individual judgment than that is to invite disaster. The experienced river users such as you and your cohorts can read the river. You can understand the subtleties and make good, informed judgments. Likewise most of the experienced trout fishermen pay attention. But unless you can come up with some way to share that experience-driven ability to an ignorant, unwilling, and often inebriated public, I just can't see any benefit to public safety trying to do more than educate the public that sirens and lights meant "Get out." Of course, as we both know there is a segment of the public, who believe themselves immune to warnings and good advice, and who will not leave no matter what – until they are washed or dragged out. No help for them. As one political commentator puts it, "We all have the right to be morons, and many of us exercise that right every day." And in any case SCE&G must do what it can to assure appropriate siren and light operations.

Just food for thought. Thanks for caring enough to be involved and pay attention. We need that experience and care. Hope to see you soon.

Randy Mahan

From: C Coleman [mailto:cheetahtrk@yahoo.com]
Sent: Wednesday, January 18, 2006 3:17 PM
To: ARGENTIERI, WILLIAM R
Cc: Alison Guth; arsbhs@bellsouth.net; cfdwaxson@columbiasc.net; Alan Stuart; marshallb@dnr.sc.gov; bill25@sc.rr.com; Dave Anderson; pricedc@dhec.sc.gov; dchristie@infoave.net; eschnepel@sc.rr.com; kayakduke@bellsouth.net; gjobsis@americanrivers.org; meddynamic@aol.com; kakustafik@columbiasc.net; Lbarber@sc.rr.com; Malcolml@mailbox.sc.edu; miriam@lakemurraycountry.com; PatrickM@scccl.org; bellsteve9339@bellsouth.net; suzrhodes@juno.com; BOOZER, THOMAS C; MAHAN, RANDOLPH R; mark_Leao@fws.gov; Amanda_Hill@fws.gov; Elymay2@aol.com; skfox@sc.rr.com; Bret Hoffman; EPPINK, THOMAS G; larana@mindspring.com; DEVEREAUX, JAMES; mwaddel@attglobal.net
Subject: RE: Warning Sirens Report---answering a requested reply

Bill,

6/26/2007

sure. i'll let you know about the siren. how do i get in touch with someone at that time? It's usually late afternoon or weekends when i'd be there.

it sure seems like the new horns were installed after the report.

thanks for fixing it. How about the strobe it's been blinking long enough to burn out by now.

yes, i'm certain we will discuss ramping. as certain as i am i'll hear from Randy soon.

have a great day.

Charlene

"**ARGENTIERI, WILLIAM R**" <**BARGENTIERI@scana.com**> wrote:

Charlene,

The report that was attached to the original email is for the new siren system. The new sirens were installed in late 2002 and this report was generated in 2004. As far as the sirens activating with the river level going down, after you brought it to my attention, we investigated the situation and found some damaged hardware. This hardware was replaced and the system should be working as designed. We also check the system each week to verify it activates properly. If you are out there when the siren activates with the water level going down, please call me so I can have the appropriate checks done on the system. I am sure we will discuss the benefits and shortcomings of ramping in the RCG meetings.

Bill

From: C Coleman [mailto:cheetahtrk@yahoo.com]

Sent: Wednesday, January 18, 2006 1:02 PM

To: Alison Guth; 'arsbhs@bellsouth.net'; 'cfdwaxson@columbiasc.net'; Alan Stuart; 'marshallb@dnr.sc.gov'; 'bill25@sc.rr.com'; Dave Anderson; 'pricedc@dhec.sc.gov'; 'dchristie@infoave.net'; 'eschnepel@sc.rr.com'; 'kayakduke@bellsouth.net'; 'gjobsis@americanrivers.org'; 'meddynamic@aol.com'; 'kakustafik@columbiasc.net'; 'Lbarber@sc.rr.com'; 'Malcolml@mailbox.sc.edu'; 'miriam@lakemurraycountry.com'; 'PatrickM@scccl.org'; 'bellsteve9339@bellsouth.net'; 'suzrhodes@juno.com'; BOOZER, THOMAS C; ARGENTIERI, WILLIAM R; MAHAN, RANDOLPH R; 'mark_Leao@fws.gov'; 'Amanda_Hill@fws.gov'; 'Elymay2@aol.com'; 'skfox@sc.rr.com'; Bret Hoffman; EPPINK, THOMAS G; 'larana@mindspring.com'; DEVEREAUX, JAMES; 'mwaddel@attglobal.net'

Subject: Re: Warning Sirens Report---answering a requested reply

Hello everyone.

Work and bill paying requires my making only certain meetings so you can expect e mail correspondence as I juggle many projects for American Whitewater and the boating community.

This Report, though impressive, doesn't have any true validity for the present system. The horns were recently replaced with a new system. It is way more obnoxious than the old system but fails in the same sense as the old one did.

As I have repeatedly stated, a Hydro Facility has a pulse effect on the river. Whether it is rising or lowering its initial pulse causes the river to change level upwards. So the warning system effectually registers change. The end result is the "cry wolf" effect.

Anyone, that frequents the "rapids", knows the horns go off if the water is coming up or going down. These people also know there is a 20 minute lag in the actual river's reaction to the Hydro plant. In English, we have time for one more beer while we wait to see if it is going up or down.

End result: a change in river level of 250 CFS (cubic feet per second) to 5000 CFS in 20 minutes will strand the unknowing, drunk and stupid.

I realize SCE&G truly believes this system registers rising water only, but to date, I do not know of any of their engineers that have done a visual test at the Zoo on the system for both

circumstances.

So it is literally just bells and whistles. What you need is better education on the river, its dangers and a more reliable system to warn the public.

To add to this problem, there are two areas that need equal attention. Oh Brother Rapid, where trout fishermen and local children converge on the river in its wilderness setting and below the Zoo, where most of the “rescues” (drunken sunbathers) occur.

Answer----To protect the public and do the responsibly conscious thing, would be to use Ramping during high public use seasons and also use warning and information resources.

Ramping is a gradual release of water. Ie: 250CFS to 1000cfs in 45 minutes....1000cfs to 3000cfs in 45 more minutes. At a river level of 1000 CFS people can self rescue during rising water and will be able to “see” the changing level. 1000-3000 gives the rescue squad time to start a rescue without endangering themselves, and actually being able to rescue, as opposed to recovering a body.

Thank you for your time. Have a safe day.
Charlene Coleman

Alison Guth <Alison.Guth@KleinschmidtUSA.com> wrote:

Hello All

Attached is the Operational Warning Sirens Acoustical Testing Report that we discussed in our last Safety RCG meeting. This report is also posted on our website at

<http://www.saludahydrorelicense.com/StudyReports.htm> . I hope you find this helpful and I will hopefully see you at our next meeting. Thanks, Alison.

<<Acoustical Testing Report.pdf>>

Alison Guth

Licensing Coordinator

Kleinschmidt Associates

101 Trade Zone Drive

Suite 21A

West Columbia, SC 29170

P: (803) 822-3177

F: (803) 822-3183

Learn to get in touch with the silence within yourself and know that everything in this life has a purpose.

- Elizabeth Kubler-Ross

Yahoo! Photos

Ring in the New Year with [Photo Calendars](#). Add photos, events, holidays, whatever.

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Recreation Issues Standard Process

The following is a list of standard questions designed to help characterize existing recreation resources and aid in development of an appropriate recreation plan for the Saluda Project. Questions pertaining to recreation management are categorized according to a four-step recreation planning process developed for the project. Questions pertaining to reservoir levels and downstream flows are listed following the facility management material.

STEP 1 – DETERMINE DESIRED FUTURE CONDITION

1. Identify Lake Murray and/or Lower Saluda River (LSR) qualities important to keep and any qualities that need changes.

Change:

Relative water level stability

Predictability

Accessibility and amenities (boardwalk accessible from land and water)

Water quality

Keep:

Water quality

Natural shoreline

Aesthetics

Fishing opportunities

Hunting opportunities

Wildlife watching

Living on lake/river

Solitude

Keep islands natural

Safety/security

Public-private balance

Shoreline Management Program

Contingency reserve capacity

2. Are there unique characteristics of Lake Murray and/or the LSR relative to other reservoirs/tailraces in the area?

Location

Size

Uninterrupted by bridges

Amount of land owned by SCE&G

Extensive shoreline

Usable/accessible shoreline

Purple Martin habitat

Whitewater paddling

Cold water fisheries

3. What is the overall vision for Lake Murray and/or the LSR, in terms of recreation experiences and opportunities? *Vision is to maintain quality of resource over the license period. Achieved by cooperation among political, business, developmental and user self regulation. Provide measurable benchmarks to be audited on a constant basis and communicated to the stakeholders.*

What would you like to see for Lake Murray and the LSR in 30 years?

4. Are there sensitive biological or cultural resources associated with the Project that need to be considered? Where are these resources located and are there seasonal sensitivities (e.g., nesting or spawning times, etc.)?

ESA

Lands that support wildlife habitat

See Cultural RCG

5. Identify specific goals and objectives for managing recreation at Lake Murray and/or in the LSR.

Lake levels

River levels and flows

Minimum flows

Recreational flows

Management of flows

Scheduled recreational releases

Knowledge of current and anticipated generation releases

Park on Lexington side of lake

Provide takeout point above Zoo at Millrace Rapids

LSR trail (River Alliance / Saluda Shoals Park)

Assure long term stability of Billy Dreher Island, Flotilla Island, and Saluda Shoals Park

Large tournament facility

Reasonable avoid negatively impacting commercial facilities

Conservation of existing project lands for wildlife and scenic values

Estimate current and future recreational use of reservoir and river

Year-round access for recreation sites

STEP 2 – ESTABLISH BASELINE CONDITIONS

6. What is the nature of existing recreational access to Lake Murray and the LSR?
 - a. How many public accessible, developed recreation sites are there?
 - b. Where are they located/how are they distributed around the Project?
 - c. Of these publicly accessible access sites how many are owned and operated by public versus private entities and how are they supervised?
 - d. How many sites, open to the public, provide boat access to the reservoir and the

- LSR?
- e. How many provide shoreline fishing?
 - f. Identify the most heavily used facilities.
 - g. Are there informal, undeveloped use areas? Where are they?
7. What types of existing developed facilities are there?
 - a. Enumerate boat ramps, restrooms, docks, and other facilities.
 - b. What is the existing capacity at each site?
 - c. What is the general condition of each site and its facilities?
 - d. Ideas for improving existing facilities.
 8. Describe notable recreation activities on Lake Murray and/or the LSR.
 - a. List recreation activities currently occurring and identify most prominent activities. *Greatest activity is indepent family recreation.*
 - b. Where are these uses occurring, and are they concentrated in certain areas?
 - c. Identify existing impediments to these activities, if any.
 9. Are there known management issues associated with use?
 - a. Are there areas of congestion, and if so where?
 - b. Are there known conflicts between users, and if so where and when?/ *Fishing tournaments are disruptive to other boaters and residents. There needs to be an established, enforced protocal for organizes fishing tournaments.*
 - c. Are there other known management issues, such as littering, trespassing, etc.? *Enforcement of established rules are excellent but limited by funding and political boundries.*
 10. What is the expected future demand for recreation activities at Lake Murray?
 - a. Will existing facility capacity likely be exceeded, and if so where and when?
 - b. Would accommodating this demand be consistent with the long-term vision for the reservoir?
 - c. Will demand introduce new or additional congestion, conflicts, or other management issues?
 11. Identify current local benefits from recreation and any local detriments.

STEP 3 – DETERMINE WHAT IS NEEDED AND WHEN

12. Ideas for better or different access, consistent with Step 2 above.
13. Potential facility enhancements or upgrades, consistent with Step 2 above.
14. Potential new facilities, or other management actions, consistent with Step 2 above.
15. What are the priorities regarding identified needs both in terms of resources and time?
How do priorities compare across the entire Project?

STEP 4 – DECIDE HOW NEEDS WILL BE MET AND WHO IS RESPONSIBLE

QUESTIONS REGARDING RESERVOIR LEVELS

16. How is the Project currently operated and what are the typical reservoir levels during key recreation seasons?
17. Are there changes to Project operations that you would like to see addressed to improve the overall value of the reservoir, and how specifically would such changes benefit recreation?
18. Are there seasonal and/or daily variations in reservoir level that can occur without adversely affecting the overall value of the project (including impoundment objectives such as recreation, fish and wildlife, flood control, generation, navigation, etc.)?
19. What are the reservoir levels at which recreation problems tend to occur (may be different for different locations or problems)?
20. When (i.e., what time of year) and how frequently do problems occur related to reservoir levels?
21. Why are the current operating water levels important to the operation of the project and the overall system?
22. Are there state or federal operating requirements that stipulate specific operating goals?

QUESTIONS REGARDING DOWNSTREAM FLOWS

23. Are there riverine recreation opportunities below the dam? If yes, move to additional questions, if not, stop.
24. Do we know how different flow levels affect recreation opportunities and specific recreation activities?
25. Can opportunities be enhanced by modifying releases, and in what way?
26. How would modified releases affect upstream lake levels?
27. How would suggested modified downstream flows affect project operations at the project and at upstream and downstream projects?
28. Are there additional concerns with regard to state and federal requirements or existing ecological issues that limit suggested changes to downstream flows?

Cheryl Balitz**Subject:** FW: Emailing: stories.htm

I'll try it again. It may be that you cannot open it. I got a funky message as well, but it opened anyway.

From: MIKELL, GEORGE L
Sent: Monday, February 20, 2006 9:32 AM
To: ARGENTIERI, WILLIAM R; MAHAN, RANDOLPH R
Subject: Emailing: stories.htm

FYI

Monday, February 20, 2006 - Last Updated: 8:04 AM

Water cases could ripple across area

BY BO PETERSEN
 The Post and Courier

The U.S. Supreme Court will hear arguments Tuesday about George Steele's backyard swamp.

The court will take on two controversial, possibly precedent-setting cases: one about wetlands, the other about hydroelectric dams. Environmentalists say they're worried the rulings could undermine water quality protection across the nation because state environmental regulations hinge on federal law.

In the Lowcountry, the dam ruling could decide whether Santee Cooper must meet state water quality standards in how it handles water in the Marion-Moultrie lakes, the source of drinking water for many people, and along miles of coastal river basin.

The wetlands ruling could decide whether developers must leave natural buffers around places as small as the hardwood swamp running behind Steele's Johns Island home.

"It's been called a mud puddle by some developers," said Steele, a database manager. "It's a beautiful thing."

The dam case, called SD Warren, challenges whether the water that flows through dams should be regulated under the Clean Water Act as discharge or potential pollution. The higher-profile wetlands lawsuit challenges whether the Army Corps of Engineers should be able to regulate waterways that aren't traditionally navigable.

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The wetlands case, Rapanos and Carabell, is significant enough that 34 state attorneys general, including South Carolina's Henry McMaster, and others have filed or supported briefs against the plaintiffs; 26 development-related groups, including Centex Homes, have filed or supported briefs favoring them. Centex is a national builder with developments in the Lowcountry.

The precedent set by the ruling could play into ongoing court cases in South Carolina concerning whether isolated wetlands, or wetlands not considered part of a stream flow, should be regulated.

"If the decision results in less protection for wetlands, that will have very serious negative consequences for South Carolinians. Low-lying neighborhoods will be subject to increased flooding as wetlands are filled for new development. And there is no question that we have plenty of new development," said Nancy Vinson of the Coastal Conservation League.

"Our state Legislature should pass legislation to safeguard wetlands instead of leaving our citizens at risk by relying on federal rules," she said.

"The (navigable waters) definition is just too broad," said Mark Nix, South Carolina Landowners Association director. A farmer Nix knows ran a track down a field with his tractor then found out the ditch was considered an isolated wetland and required to be buffered, he said.

"We need to protect wetlands. We need to keep the rivers clean. But we need to use some common sense."

The dam case could remove state water quality certification from the requirements for a Federal Energy Regulatory Commission hydroelectric project license. The demanding relicensing process is now under way for both Santee Cooper's Marion-Moultrie lakes and Duke Energy's Catawba- Wateree lakes.

The two companies' lakes pool and release most of the river water that flows through the state into the Lowcountry. Water flow from the dams generates electric power. The flow is critical to water quality and habitat in the lakes and the rivers above and below the dams. How water moves through the lakes affects everything from drinking water to estuary fisheries.

"The timing couldn't be worse for South Carolina," said Gerrit Jobsis, regional director for American Rivers, an environmental advocate. "If SD Warren goes the wrong way, utilities such as Santee-Cooper, Duke Energy and SCE&G could bypass state water quality certifications. Their impacts to public waters could go unchecked for the next license term - 30 years or longer."

Santee Cooper and Duke Power representatives said the companies cooperate with state regulators and operate to ensure water quality.

Asked if the company would seek state water quality certification if the court's decision made it unnecessary for relicensing, Duke Power spokesman Jason Walls said the company would evaluate the court's decision and "comply to the letter of the law."

Santee Cooper spokeswoman Laura Varn said the company couldn't comment until a ruling is made, but "We are watching it very closely."

The court will hear oral arguments on both cases Tuesday. Rulings wouldn't be expected immediately and could take weeks or months.

On a recent afternoon, Steele stood at the water's edge of the wooded swamp he shares with nearby property owners, listening to barred owls call back and forth. He has picked out more than 40 species of birds, he said. He worries about losing the wetlands if his neighbors develop their properties.

"I think it's a shame that the court decision hinges on the definition of 'navigable,?'" he said. "It's such vital habitat, in my opinion. That ought to be sufficient" to protect it.

Reach **Bo Petersen** at 745-5852 or bpetersen@postandcourier.com.

Danielle Fitzpatrick

From: Dave Anderson
Sent: Wednesday, February 22, 2006 3:44 PM
To: Tim Vinson; Alan Stuart; Bill Argentieri; Dave Anderson; Dick Christie; Lee Barber; Steve Bell
Subject: First Meeting

I just wanted to send a quick message out the Lake Levels TWC formed under the Recreation RCG so that everyone would have the list of email addresses for people in this group. Although I am not a member of this TWC, I have included my name on the email list so that I can keep up with what is going on. Have y'all set a date/time/place for your first meeting?

As I have told the other groups, one of the first thing on your agenda is to determine the adequacy of the questions on the standard process form dealing with lake levels.

Danielle Fitzpatrick

From: Dave Anderson
Sent: Wednesday, February 22, 2006 3:38 PM
To: Tony Bebber; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; Bill Marshall; Charlene Coleman; Charlie Rentz; Dave Anderson; David Hancock; Dick Christie; George Duke; Gerrit Jobsis (American Rivers); Guy Jones; James Smith; Jeff Duncan; JoAnn Butler; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Larry Michalec; Lee Barber; Malcolm Leaphart; Mark Leao; Marty Phillips; Mike Waddell; Miriam Atria; Norman Ferris; Patricia Wendling; Patrick Moore; Ralph Crafton; RMAHAN@scana.com; Stanley Yalicki; Steve Bell; Suzanne Rhodes; Tim Flach; Tim Vinson; Tommy Boozer
Subject: Standard Process Form and Homework Reminder

I have attached a Word document of the Standard Process Form for your use (and a PDF for George). Please review the form and let me know if there are any questions that need to be deleted/changed/added in your opinion. We will agree on these changes as a group before proceeding.

Also, don't forget that your homework before the next RCG meeting is to draft a vision statement and send it to me prior to next meeting. I will synthesize the vision statements I receive and we will finalize a vision statement at the next RCG meeting (April 20th). I have attached an example Standard Process Form that we used on a project in Alabama. Not only can you get a feel for the vision statement, you can see what a completed form will provide us as we move into filing the application.

I have also attached a draft of the Solution Principles that I read at the last meeting. If you have any comments on these, please provide them by the next meeting so that we can finalize them.

Many of you will be participating in the TWCs over the next few weeks. Don't forget that the larger group will be expecting some sort of progress report on April 20th.



Recreation



Recreation



Example Standard
Process Form....



Solution Principles
(02-22-06;...

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Smith
Recreation Issues R1, R2, R3, R4, and R5
Standard Process Tracking Document

Meetings

- October 10, 2001 – Conference Call
- October 24, 2001 – Meeting
- December 4, 2001 – Conference Call
- January 30, 2002 – Meeting
- March 12, 2002 – Meeting
- April 2, 2002 – Conference Call
- May 22, 2002 – Meeting
- June 18, 2002 – Conference Call
- July 16, 2002 – Meeting
- August 7, 2002 – Conference Call
- January 14, 2003 – Meeting
- March 19, 2003 – Meeting
- August 26, 2003 – Meeting
- October 01, 2003 – Meeting

Work Products

- Work Plan – Final October 17, 2001
- Final Vision Statement – Final February 12, 2002
- Recreation Inventory Data – Draft
- Final October 10, 2001 Meeting Summary
- Final October 24, 2001 Meeting Summary
- Final December 4, 2001 Meeting Summary
- Final January 30, 2002 Meeting Summary – February 22, 2002
- Final March 12, 2002 Meeting Summary – April 2, 2002
- Final April 2, 2002 Meeting Summary – June 13, 2002
- Final May 22, 2002 Meeting Summary – July 2, 2002
- Final June 18, 2002 Meeting Summary – July 16, 2002
- Final July 16, 2002 Meeting Summary – August 30, 2002
- Final August 7, 2002 Meeting Summary – March 28, 2003
- Final January 14, 2003 Meeting Summary – March 28, 2003
- Final March 19, 2003 – Meeting Summary – August 26, 2003
- Final August 26, 2003 – Meeting Summary – October 11, 2003
- Final October 01, 2003 – Meeting Summary – November 30, 2003

STEP 1 – DETERMINE DESIRED FUTURE CONDITION

- 1. Identify impoundment and/or downstream tailrace qualities important to keep and any qualities that need changes.**
 - *The Lewis Smith development provides a highly attractive natural setting.*
 - *There are very good boating and fishing opportunities on the reservoir.*
 - *The reservoir, which supports a trophy striped bass fishery, draws out-of-state visitors and supports large bass fishing tournaments and businesses around the lake.*
 - *Development pressures around the lake are expected to result in continuing residential development of the shoreline. Over time this development will likely threaten water quality, impact scenic values and limit public access to the shoreline in some areas.*

- 2. Are there unique characteristics of the reservoir and/or tailrace relative to other reservoirs/tailraces on the river?**
 - *There are unique fishing opportunities in the tailwater of the dam. The tailwater supports the only year-round cold water (stocked) trout fishery in the state.*
 - *The reservoir exhibits excellent water quality, particularly in the Sipsey Fork, much of which is located in the Bankhead National Forest and bordered by tracts of federal land.*
 - *Portions of the Sipsey Fork have been designated as an Outstanding Natural Resource Water by the State as well as a national Wild and Scenic River.*

- 3. What is the overall vision for the reservoir and/or tailrace, in terms of recreation experiences and opportunities, and how does that vision compare with the vision for other reservoirs/tailraces in the Project?**
 - *The long-term vision for the Lewis-Smith development is to recognize, protect and enhance the fishery, water quality, and recreational opportunities, while recognizing the need to protect aquatic communities supporting threatened, endangered and sensitive species of the reservoir and tailwater, and ensure adequate facilities and public access are provided. Given the size of the reservoir it is felt that it can continue to support a diversity of recreation opportunities.*

- 4. Are there sensitive biological or cultural resources associated with the Project that need to be considered? Where are these resources located and are there seasonal sensitivities (e.g. nesting or spawning times, etc)?**
 - *This will be determined from findings of other IAGs. Currently, the USFS has raised issues concerning protecting sensitive biological (T&E species) and cultural resource areas.*

- 5. Identify specific goals and objectives for managing recreation at the reservoir and/or in the tailrace.**
 - *Redesigning existing public shoreline facilities, where necessary, to accommodate higher spring reservoir levels and extending boat ramps to improve access at winter water levels.*
 - *Providing appropriate operations and maintenance of public recreation facilities.*
 - *Optimizing the capacity of existing public recreation facilities to accommodate existing and future demand.*

- *Improving access and safety in the publicly accessible waters below the dam for bank angling and minimizing impacts of project operations on downstream recreation, recognizing the need to meet flood control, power generation, and downstream flow responsibilities at Smith.*
- *Protecting the existing character of the Sipsey Wild and Scenic River by discouraging motorized use within the Wild and Scenic River designated corridor.*
- *Managing lake level drawdowns so as to minimize the occurrence of surface elevations lower than 495'.*
- *Ensuring public access areas for the non-boating public remain available along the shoreline.*
- *Development of new facilities if a proven need arises.*
- *The Walker County Commission originally requested the development of a park (similar to Clear Creek) in the proximity of the boat launch located in the Smith forebay. The county has since recognized the low capacity use issues at the nearby FS facilities and has agreed that setting aside land, for possible future recreational development, is the best course of action at this time.*

STEP 2 – ESTABLISH BASELINE CONDITIONS

6. What is the nature of existing recreational access to the reservoir?

- a. How many public accessible, developed recreation sites are there?
 - 73
- b. Where are they located/how are they distributed around reservoir?
 - *See the Smith Recreation Inventory Map*
- c. Of these publicly accessible access sites how many are owned and operated by public versus private entities and how are they supervised?
 - *Ownership distribution: 36 Public, 30 Private, 7 Closed Private*
 - *Most of the private facilities are supervised daily.*
 - *Most of the public facilities are not supervised but are maintained on a regular basis, with the exception of the FS recreation areas, where daily supervision is exercised.*
- d. How many sites, open to the public, provide boat access to the reservoir?
 - *39 of the sites have boat ramps; 24 of the 36 sites are privately owned*
- e. How many provide shoreline fishing?
 - *There are a total of 26 known bankfishing sites, 5 of these are privately owned*
- f. Identify the most heavily used facilities.
 - *Smith Lake Park*
 - *Waters near:*
 - *Smith Lake Park and the Smith Lake Fishing Resort;*
 - *Castle Rock and Ryan's Creek Marinas (near County Rd 222); and*
 - *Duskin Point and Richards Marinas.*

- g. Are there informal, undeveloped use areas? Where are they?
 - *As of November 2004, there were 49 informal or undeveloped access areas. For locations see the Smith Recreation Inventory Map*

7. What types of existing developed facilities are there? *For more detailed information see the recreation inventory detailed spreadsheet*

- a. Enumerate boat ramps, restrooms, docks, and other facilities
 - *There are a total of 45 boat ramps*
 - *There are a total of 53 launching lanes*
 - *There are a total of 13 ramps with 19 launching lanes available at winter pool*
 - *22 sites have docks for a total of 50 docks*
 - *There are a total of 32 informal sites that are primarily used for launching small boats and bank fishing.*
- b. What is the existing capacity at each site?
 - *The capacity of the boat ramps overall is 526 trailer parking spaces distributed between 27 of the 39 sites with ramps. There are 145 (single car) vehicle parking spaces available. There are a total of 5 ADA parking spaces available.*
- c. What is the general condition of each site and its facilities?
 - *See condition information within site reports filed in the GIS system.*
- d. Ideas for improving existing facilities.
 - *See Question 16.*

8. Describe notable recreation activities on the reservoir.

- a. List recreation activities currently occurring and identify most prominent activities.
 - *Fishing and recreational boating are both very popular activities on the reservoir.*
 - *The following table presents the recreational activity for the Smith Lake. The numbers indicate total recreation hours for each activity by year. The activities are ordered in the table by the most to least prominent.*

	Activity	1995	2000	2005	2010	2015
Lewis Smith Reservoir						
	<i>Boating</i>	<i>461,928</i>	<i>457,308</i>	<i>459,612</i>	<i>461,928</i>	<i>466,524</i>
	<i>Land Recreation</i>	<i>384,940</i>	<i>392,639</i>	<i>403,880</i>	<i>415,735</i>	<i>429,836</i>
	<i>Water Recreation</i>	<i>384,940</i>	<i>369,542</i>	<i>380,915</i>	<i>392,639</i>	<i>404,022</i>
	<i>Boat Fishing</i>	<i>261,759</i>	<i>266,994</i>	<i>284,095</i>	<i>315,345</i>	<i>362,428</i>
	<i>Bank Fishing</i>	<i>46,193</i>	<i>47,117</i>	<i>50,134</i>	<i>55,649</i>	<i>63,958</i>
Lewis Smith Tailrace						
	<i>Bank Fishing</i>	<i>53,244</i>	<i>54,309</i>	<i>56,655</i>	<i>59,101</i>	<i>61,194</i>
	<i>Land Recreation</i>	<i>13,480</i>	<i>13,749</i>	<i>14,143</i>	<i>14,558</i>	<i>15,052</i>
	<i>Boat Fishing</i>	<i>674</i>	<i>687</i>	<i>717</i>	<i>748</i>	<i>775</i>

- *See Preliminary Recreational Usage Estimates and Forecast for the Lewis Smith Project – May 22, 2002 for further detail and explanation of the above estimates.*

- b. Where are these uses occurring, and are they concentrated in certain areas?
Smith Lake has over 500 miles of shoreline and a surface area of 21,200 acres at a normal water surface elevation of 510 ft msl. Due to the size of the lake most recreational use occurs in the vicinities of the major access sites and in areas of high residential development.
- c. Identify existing impediments to these activities, if any.
- *Adequate boat access is available to support current use. Bank fishing access is primarily informal in nature and the site locations are not advertised. In general, it has been determined that local users know where bank fishing opportunities exist and field investigators have not heard of any problems, from the locals, about finding shore access to the lake. Visitors to the area are at a disadvantage with regard to knowing the locations of informal access sites and as a result generally take advantage of commercial facilities for water access activities.*
 - *October 24, 2001 Meeting – An IAG member stated that Walker County has limited public access. The IAG noted that a small portion of the Smith Lake shoreline is within Walker County. The majority of the shoreline lies within Cullman and Winston County.*

9. Are there known management issues associated with use ?

- a. Are there areas of congestion, and if so where?
- *October 24, 2001 Meeting – An IAG member noted that night fishing tournaments help relieve congestion (day-time) on the lake.*
 - *Several issues were raised regarding congestion in areas that have two recreation facilities located in close proximity to each other. These areas realize a relatively high volume of boat traffic. During periods of low water, the navigable portion of the waterway decreases causing increased congestion. The areas specifically noted were:*
 - *Smith Lake Park and the Smith Lake Fishing Resort;*
 - *Castle Rock and Ryan’s Creek Marinas (near County Rd 222); and*
 - *Duskin Point and Richards Marinas.*
 - *The parking lot at Smith Lake Park experiences heavy use, primarily during spring and summer months. There is a potential capacity issue at this site.*
 - *There is some congestion at the boat launch located near the Smith spillway. The congestion occurs on several weekends throughout the year and is due primarily to large fishing tournaments. This, however, is not a chronic problem. Congestion at this site could be alleviated through improved coordination of fishing tournaments.*
- b. Are there known conflicts between users, and if so where and when?
- *October 24, 2001 Meeting – There is an issue with the size of some of the boats on the lake. These boats produce wakes that cause bank erosion and dock damage. This is more of a public and legislative issue and will not be dealt with in this IAG.*
 - *Jet ski use was noted as a general conflict around the lake. Specific items noted for this conflict were jet ski use in the Wild and Scenic River Corridor, near fisherman and near shore.*
 - *There is a conflict between large boats on the lake and other recreational boaters and shoreline property owners.*

- *USFS recreation facilities experience use by people illegally docking boats and utilizing the parks' facilities.*
- c. Are there other known management issues, such as littering, trespassing, etc?
- *October 24, 2001 Meeting – There is a issue regarding dumping of waste from boats into the lake. There are limited boat pumping facilities on the lake. Look into the potential of having additional stations on the lake (this may not be economical feasible form the marina owner's perspective) or addressing this issue either in the water quality or public education IAG.*
 - *The ADCNR has initiated a pump out station assistance program that covers 75% of the cost of installing pump out facilities for private commercial facilities. Few commercial establishments have taken advantage of the program.*
 - *Litter around the lake was identified as a management issue. In particular, large pieces of styrofoam from docks was identified.*
 - *Security and policing issues have also been raised at several sites.*
 - *ADA access is also an issue at several recreation sites.*
 - *Traffic flow and vehicle parking are also issues at several recreation sites.*

10. What is the expected future demand for recreation activities at the reservoir?

- a. Will existing facility capacity likely be exceeded, and if so where and when?
- *There are no perceived capacity issues on the west side (Sipseyside) of Smith Lake.*
 - *Smith Lake Park, a County and ADCNR site, has a perceived capacity issue resulting from parking problems.*
- b. Would accommodating this demand be consistent with the long-term vision for the reservoir?
- *Yes.*
- c. Will demand introduce new or additional congestion, conflicts, or other management issues?
- *Actions taken and discussed in this document (as described in Step 3) are designed to prevent additional congestion, conflicts and other management issues.*

11. Identify current local benefits from recreation and any local detriments.

- *The reservoir, which supports a trophy striped bass fishery, draws out-of-state visitors and supports large bass fishing tournaments and businesses around the lake.*
- *The lack of participation from some state departments as well as a few local public and private entities may hinder recreation development at the reservoir.*

12. Identify information on specific public safety issues.

13. Identify specific shoreline problems.

- *The use of "Goat Island" was noted as a potential shoreline problem. Individuals utilize this island for boat docking and camping.*
- *Litter, particularly styrofoam from old docks, is a problem.*
- *Informal camping causes sanitation and littering problems.*

14. Are there existing public lands immediately adjacent to the project (within 200 feet of the FERC boundary) that offer, or might offer, recreation opportunities?

- *Yes there are public lands adjacent to the project.*
- *APC is currently working with the USFS to identify lands and areas of use at Smith Lake.*
- *Smith Lake Park is a County Park.*
- *The Bankhead National Forest is located within a portion of the Project area. The Forest Service has 505 acres of land and 473,927 linear feet of shoreline located within the Project Boundary. These numbers include Forest Service Lands and Public Domain Lands.*

STEP 3 – DETERMINE WHAT IS NEEDED AND WHEN

15. Ideas for better or different access, consistent with Step 2 above.

- *Parking realignment improvements.*
- *Improved recreation facilities, boat launches, ramps, piers, docks, etc.*
- *Road improvements to some informal sites have been suggested.*
- *Increased litter removal and policing services.*

16. Potential facility enhancements or upgrades, consistent with Step 2 above.

- *Site 48 Boat Launch, Parking and Bank Fishing Improvements*
Potential improvements to this site could be implemented utilizing a phased approach where in Phase 1 the realignment of the existing parking lot (improving/expanding trailer rig parking) is completed, in Phase 2 additional single car parking is added and a new fishing pier is installed and in Phase 3 a new parking lot is constructed adjacent to the existing facility. In addition, the County and the ADCNR are currently working on installing new sanitation facilities.
- *Site 49 Bank Fishing Piers*
Potential improvements to this site include informal (drawdown area) road modifications and the installation of fishing piers to improve bank fishing access.
- *Site 89 Mims Family Carry-in*
Potential improvements to this site include erosion repairs, road improvements, and enhancements to the turnaround area.
- *Site 3 Sipsey River Boat Launch at Route 278*
Potential improvements to this site include the creation of additional parking and the realignment of the existing parking lot as well as improved policing services and the repositioning of the existing boat ramp to allow boat access at winter pool water levels.
- *Site 40 Boat Launch/Parking at Smith Dam*
Potential improvements to this site could be implemented utilizing a phased approach where in Phase 1 a new boat ramp and courtesy dock are installed and in Phase 2 the parking lot is expanded. Phase one of this project has been expedited (not for recreational use issues) to assist with the removal of debris (Styrofoam) from project waters.

- *Site 96B Bank Fishing Area (Downstream of Pumphouse)*
Several bank fishing access sites have been identified. Improvements would include parking improvements, erosion control and easier access (stairways) to the river bank. Also, a future ADA access site has been identified for engineering consideration.
- *Site 96A Bank Fishing Area (Upstream of Pumphouse)*
Consultation is on-going with stakeholders on this issue. Public access in this area involves resolution of public safety liability and security issues.
 - *Additional field evaluation will be conducted to establish limits of wading water, locations of trails and locations for habitat enhancement structures.*
- *Site 76 Bank Fishing*
Potential improvements to this site include better access and more formal bank fishing opportunities. However, this site is located on FS property and currently the FS is not interested in attracting additional users to this site due to (entrance/exit) highway safety concerns.
- *Site 16 Boat Launch on Bushy Creek*
Potential improvements to this site include enhancements that will allow for better low water access, road improvements, and erosion control applications. However, as with the site discussed above, this site is on FS property and currently the FS is not interested in attracting additional users to this site due to (entrance/exit) highway safety concerns.
- *Site 97 Route 278 Brushy Creek Bank Fishing*
This site is located on ALDOT ROW and potential improvements could include improving and formalizing this bank fishing area. However, county officials have indicated that there are ongoing social behavioral problems at this site and the sheriff's department recommends this site not be used as a formal recreation site.
- *Site 96C Bank Fishing Access – Downstream of Route 69*
ADCNR has suggested that a bank fishing opportunity exists downstream of the bridge for warm water fish species. Access to the suggested area would be difficult to secure, maintain and police. The Licensee will investigate this option in consultation with Walker County. This location is low on the ADCNR priority list at this time.
- *Sites 9, 11 & 20, FS Recreation Area Improvements*
Multiple meetings have been conducted with the FS with regard to recreational needs within the developed FS facilities at Houston, Corinth and Clear Creek. Currently these issues remain unresolved.

17. Potential new facilities, or other management actions, consistent with Step 2 above.

- *There are no new facilities planned for the Smith Reservoir.*

18. Are items #15, 16, and 17 above consistent with agreed upon Solution Principles?

- *Yes.*

**19. What are the priorities regarding identified needs both in terms of resources and time?
How do priorities compare across the entire Project?**

- *Site 48 Boat Launch, Parking and Bank Fishing Improvements*
- *Site 49 Bank Fishing Piers*
- *Site 89 Mims Family Carry-in*
- *Site 3 Sipsey River Boat Launch at Route 278*
- *Site 40 Boat Launch/Parking at Smith Dam*
- *Site 96B Bank Fishing Area (Downstream of Pumphouse)*
- *Site 96A Bank Fishing Area (Upstream of Pumphouse)*
- *Site 76 Bank Fishing*
- *Site 16 Boat Launch on Bushy Creek*
- *Site 97 Route 278 Brushy Creek Bank Fishing*
- *Site 96C Bank Fishing Access – Downstream of Route 69*

STEP 4 – DECIDE HOW NEEDS WILL BE MET AND WHO IS RESPONSIBLE

- *Site 48 Boat Launch, Parking and Bank Fishing Improvements*
Alabama Power will implement the three phased improvements. The ADCNR will continue to operate the site as is done under the current O&M arrangements. Cullman County will provide the land for the new parking lot highlighted in Phase 3. The County will also continue its litter clean-up and law enforcement services.
- *Site 49 Bank Fishing Piers*
Alabama Power will be responsible for the initial road improvements as well as the installation of the fishing pier. Cullman County will incorporate the new improved facilities into the current O&M plan for the park.
- *Site 89 Mims Family Carry-in*
Alabama Power will contact the owner and other supporters of the area to review the proposed improvements and to receive permission to implement agreed upon improvements. APC will cover the expense of coordinating, planning, permitting, and materials needed for this site. Winston County has volunteered to assist in the rehabilitation of this site through the use of equipment and personnel. Future O&M responsibilities will remain the same as they area now.
- *Site 3 Sipsey River Boat Launch at Route 278*
Winston County will reposition the ramp, improve the parking area and conduct all day-to-day and long-term maintenance at the site. APC will assist the County with design review, permitting and materials funding for the ramp and expanded parking lot. Winston County will be responsible for all O&M, day to day upkeep and Law enforcement patrol.
- *Site 40 Boat Launch/Parking at Smith Dam*
Alabama Power will perform all construction improvements and will share the long term upkeep and maintenance with the ADCNR. Walker County will be responsible for routine litter removal, and policing services.

- *Site 96B Bank Fishing Area (Downstream of Pumphouse)*
APC will be responsible for implementation of all improvements to the area. Cullman County has suggested that Cullman and Walker Counties work out a schedule of O&M, litter patrol and law enforcement patrol that avoids duplication of effort at this site and Site 40 (located in Walker County) that will reduce oversight costs for both counties. This will probably entail a specific agreement between the counties that allows cooperation between O&M crews and sheriff's departments to operate in these border areas to the benefit of both counties.
- *Site 96A Bank Fishing Area (Upstream of Pumphouse)*
This area remains under discussion. However, if the area is opened to public access, it will be walk-in access only and APC will most likely be responsible for any improvements and O&M issues.
- *Site 76 Bank Fishing*
This site will be reevaluated for implementation as demand rises in the future.
- *Site 16 Boat Launch on Bushy Creek*
This site will be reevaluated for implementation as demand rises in the future.
- *Site 97 Route 278 Brushy Creek Bank Fishing*
This site will be reevaluated for implementation as demand rises in the future.
- *Site 96C Bank Fishing Access – Downstream of Route 69*
This site will be evaluated in consultation with ADCNR and Walker County with regard to need and feasibility.

QUESTIONS REGARDING RESERVOIR LEVELS (R3)

20. How is the reservoir currently operated and what are the typical reservoir levels during key recreation seasons?

- *APC operates the Smith development as a multi-purpose storage project. The seasonal change in elevations provide hydroelectric generation, flood control, maintenance of downstream water quality, a unique tailrace fishery, assures navigation depths and municipal/industrial water supply.*
- *From early April through the end of June the lake is operated near the normal full pool level of el. 510 ft above mean sea level (msl).*
- *Drawdown begins in early July and ends in late November near the winter pool level of 496 ft msl.*
- *The winter pool level is maintained until January 31, and the lake is refilled from early February through the end of March.*
- *The plant normally schedules power operations on the basis of system demands and availability, seeking to keep the pool at or below el. 510 ft msl at all times except during flood conditions.*
- *Power generation may be restricted during periods of downstream flooding and may be increased to release flood control storage within the limitations described below.*

- *The lake's flood control pool is from el. 510 to 522 ft msl. Smith Lake is typically lowered to near el. 496 ft msl during the winter which can result in additional flood storage.*
- *During flooding when reduction of flow is necessary in view of downstream conditions, outflows are to be restricted as specified by the Army Corps of Engineers (ACOE) regulation plan down to but not lower than 2,100 acre-feet each 24-hour period. As flooding conditions downstream recede, the regulation plan requires releases up to full plant capacity to empty flood storage and be prepared for the next flooding event.*
- *The Smith Reservoir is the only source of stored water in the Warrior River Basin. During periods of low flows downstream, releases from storage provide cheap, clean hydroelectricity, improve water quality, sustain a trout fishery, maintain municipal and industrial water supply and assure adequate river depths for navigation.*

21. Are there changes to reservoir level operations that you would like to see addressed to improve the overall value of the reservoir, and how specifically would such changes benefit recreation?

- *October 24, 2001 Meeting – Minimize lake level fluctuations to provide better access and recreation.*
- *The USFS is currently reviewing operations data from 1988 to 2001 to identify any change in lake levels and how those changes may have impacted USFS facilities (beaches and ramps) or the Wild and Scenic River.*
- *The Vision Statement indicates that Smith Lake should be managed so as to minimize the occurrence of surface elevations lower than 495' msl in the late summer and early fall.*
- *Current reservoir level operations balance the multi-purpose use of the reservoir. An increase in reservoir level fluctuations would have a beneficial effect of increasing the efficiency of daily and weekly power generation operations however recreation would see a likewise reduction in benefits. Conversely, limiting the seasonal fluctuation may have recreational benefits but other project purposes would be compromised (power generation, flood control, water quality maintenance, navigation and water supply).*

22. Are there seasonal and/or daily variations in reservoir level that can occur without adversely impacting the overall value of the project (including impoundment objectives such as recreation, fish and wildlife, flood control, generation, navigation, etc)?

- *October 24, 2001 Meeting – Low water levels impact launching of boats, navigation in sloughs, and at 495 ft msl marinas close (this usually occurs in August).*
- *There appears to be a potential impact to recreational resources at both the high and low range of the lake level operations. This is dependent on the design of the facilities.*
- *There was a brief discussion of a beach area at a USFS park. This area is impacted at el. 510' msl and above. Potential reasonable modifications to this area will be discussed in future meetings.*
- *There are not large daily fluctuations at Smith Lake.*

23. What are the reservoir levels at which recreation problems tend to occur (may be different for different locations or problems)?

- *October 24, 2001 Meeting – Low water levels impact launching of boats, navigation in sloughs, and at 495 ft msl marinas close (this usually occurs in August).*

- *There appears to be a potential impact to recreational resources at both the high and low range of the lake level operations. This is dependent on the design of the facilities.*
- *Lake levels of 510' msl or higher cause some problems at the USFS facilities. This is a problem primarily in late spring. There was a brief discussion of a beach area at a USFS park. This area is impacted at el. 510' msl and above. Potential reasonable modifications to this area will be discussed in future meetings.*

24. When (i.e. what time of year) and how frequently do problems occur related to reservoir levels?

- *The USFS is currently checking operations data to determine frequency of various lake levels which impact some of their facilities.*
- *Note that APC has been holding the lake level steady for spawning since 1993.*
- *In general, the operations of the Smith development have been consistent throughout all years except during drought conditions.*

25. Why are the current operating water levels important to the operation of the project and the overall system?

- *The Smith Project is a multi-purpose storage reservoir. The current operating water levels are critical for the project to meet its required purposes. The changes in water level have many beneficial impacts both upstream and downstream of the dam :*
 - *Electricity (inexpensive, clean, renewable)*
 - *Electric system ancillary services (transmission line maintenance & /overload protection, blackstart, loss of large generating unit)*
 - *Flood control*
 - *Navigation support*
 - *Trout fishery*
 - *Downstream water quality and aquatic habitat*
 - *Municipal and industrial water supply*

26. Are there state or federal operating requirements that stipulate specific operating goals?

- *Alabama Power, the Corps of Engineers, the Smith Lake Civic Association and the Alabama Department of Conservation and Natural Resources have an agreement to stabilize lake levels in the spring during bass spawning. After notification by the ADCNR, the lake level is held constant or slightly rising for a period of 14 days provided the level remains below 510 ft msl. Impacts on flood control are coordinated with the Corps of Engineers. The stable lake level enhances fish spawning habitats in the lake.*
- *Articles 17 & 18 of the FERC license require that reservoir levels and discharge from storage be controlled by reasonable rules and regulations of the Secretary of the Army in the interest of navigation.*
- *Article 33 of the FERC license details the flood control operations for Smith Dam including elevations and release rates.*
- *Article 34 of the FERC license stipulates the bottom of the power pool to be Elev. 488.*
- *Pages A-14 through A-17 of the Smith Dam Reservoir Regulation Manual describe the flood control plan and navigation support releases.*

QUESTIONS REGARDING DOWNSTREAM FLOWS (R4)

27. Are there riverine (free-flowing) recreation opportunities below the dam? If yes, move to additional questions, if not, stop.

- *Yes.*

28. Do we know how different flow levels affect recreation opportunities and specific recreation activities?

- *Different flow levels may increase aquatic habitat which could improve the recreational fishery.*
- *Increased flow levels may create public safety issues in the tailrace that may limit recreational opportunities.*
- *Modified flow levels may influence when people recreate in the tailrace area.*
- *Several IAG members indicated that this stretch of the river supported a warmwater fishery prior to the construction of the project. They also expressed interest in investigating the possibility of changing the releases from cold to warmwater.*
- *ADCNR stated that until the issue of the release temperature is resolved within the IAG, we can not look at how different flow levels affect recreation opportunities. This is because different releases would require different fisheries management practices and would attract different fisherman.*
- *There was a discussion regarding the management of the coldwater fishery in the Smith tailrace. Currently the cold water fishery is dependent on the stocking of rainbow trout by ADCNR. These trout are provided to ADCNR by the USFWS. This is a non-reproducing fishery and without the stocking efforts the population would gradually decline. ADCNR would like to have the IAG investigate the potential for alternate supplies for trout stocking, however the increase cost of the alternate supply would not be ADCNR's responsibility.*
- *It was noted that there are safety concerns with recreating (fishing, canoeing, power boating) on the river when two units are running at Smith. This is a result of the channel being wetted to full bank or higher which may result in safety hazards/obstacles along on the shoreline (trees). However, if an individual was very familiar with canoeing/power boating and with the Smith tailrace than it may be all right to recreate on the river.*
- *One IAG member explained that when one unit is running at Smith conditions are safer, however the stream is near full bank and overhanging trees may prove to be dangerous. Conditions vary along the course of the river.*
- *Most people recreate when the turbines are not running. Some people have been observed fishing when the turbines are running, but the catch rate is relatively low.*
- *Typically APC operates the Project from noon to 6 PM on weekdays **during the summer**, depending on power demand or lake levels. Therefore the majority of fishing and canoeing takes place in the morning and early evening. The timing of recreational activities and operation of the Smith development varies seasonally.*
- *It was noted that there may be an impact to the tailrace fishery when the turbines do not run for an extended period of time.*

29. Can opportunities be enhanced by modifying releases, and in what way?

- *Recreation opportunities can be enhanced by a modified flow release. Additional releases should improve the recreational fishery and bank fishing access.*

- *The Walker County Commission requested to change the water temperature of the project releases below Smith Dam. The Commission would like to see increased water temperatures below the dam in order to support a warm water fishery.*
- *The IAG decided that the current operation conditions do not need to be altered, pending further release temperature discussion. Recreational activities are occurring during the existing operations. However if the releases could be altered, perhaps additional time for recreation could be allotted (i.e., less generation).*

30. How would modified releases affect upstream lake levels?

- *Lake level fluctuations will not be significantly affected.*

31. How would suggested modified downstream flows affect project operations at the project and at upstream and downstream projects?

- *Project operations will not be affected.*

32. Are there additional concerns with regard to state and federal requirements or existing ecological issues that limit suggested changes to downstream flows.

- *No.*

QUESTIONS REGARDING FLOOD CONTROL (R5)

33. Do current flood control operations have an impact on recreation, if so in what way and when?

- *Smith is the only flood control project on the Warrior River.*
- *The IAG had no comments on the flood control operations for the Smith development.*
- *Flood control operations tend to cause the lake level to rise above normal summer pool (Elev. 510) and can also result in long periods of continuous turbine releases. Flood control operations typically occur in the Winter and Spring.*
- *The effects of lake level fluctuations are discussed in Questions 20 through 26.*

34. How might modified operations to enhance recreation (either changing lake levels or releases) affect flood control capabilities and other resource values?

- *If the lake level is higher prior to flood releases, the result is spilling water, losing hydro generation and possibly higher levels in the reservoir and downstream of the dam (ie, increased flooding). If the level were lower prior to flood releases, the opposite occurs; less spill, more hydro generation, possibly lower reservoir levels and less flooding downstream. A change in release requirements would have a similar affect, ie, higher initial releases would produce less spill, more hydro generation, lower reservoir levels and less flooding downstream, whereas lower releases would eventually require spilling more water, losing hydro generation and possibly higher levels in the reservoir and downstream of the dam (ie, increased flooding).*
- *Decrease the flood control fluctuations, if they are determined to be extraneous. APC explained that there is not an excess of flood storage capability at Smith.*
- *The project must provide releases for downstream flow requirements.*
- *APC explained the schedule for releases during potential or actual flooding events.*

QUESTIONS REGARDING PUBLIC SAFETY (R2)

35. What federal/state/local regulations apply to public safety within these FERC project waters?

- *Alabama Power Company operates its hydroelectric projects under licenses issued by the Federal Energy Regulatory Commission. As a requirement of these licenses, APC must comply with FERC's regulations and orders concerning public safety.*
- *Alabama Power Company has a public safety program for each development that includes signage and buoys in the tailrace and forebays of the projects. Much of this program has been approved by FERC, after consultation with the appropriate resource agencies and stakeholders, and it is amended from time to time as public safety needs change or additional needs are identified.*
- *The State of Alabama has a variety of regulations, rules and laws that are intended to enhance public safety. These regulations, rules and laws cover such subjects as boat operator licensing, navigation "Rules of the Road," and requirements for personal floatation devices. In addition, Alabama State law has placed responsibility for regulatory markings and establishing restricted areas on the project reservoirs with the Alabama Marine Police.*
- *Alabama law also places additional responsibility on individuals to ensure their own safety. The Alabama Recreational Use Statute encourages large land owners, such as Alabama Power Company, to permit public recreation on these land holdings, and does so by eliminating property owner liability for certain types of incidents. The public, therefore, has more responsibility for ensuring their own safety when recreating on lands and waters covered by the Recreational Use Statute.*
- *The Alabama Marine Police stated that they would assist individuals placing buoys on the water, but are not obligated to provide the buoys. The Alabama Marine Police also stated that they are only required to mark restricted areas.*
- *All individuals placing buoys on the lakes must contact the Alabama Marine Police before installing the buoy.*
- *Several stakeholders noted that many buoys are either stolen or vandalized. Replacement costs for buoys and keeping the buoys in the water are major considerations when trying to identify solutions for boating hazards.*

36. What public safety programs currently exist for these waters?

- *Alabama Power Company's hydro public safety program consists of (1) warning signs attached to and in the vicinity of project structures alerting recreational users to dangers around the structures (turbulent intake/discharge flows, etc.), (2) buoys above (and below most) structures alerting boaters that they are approaching a dam and (3) in some instances, audible alarms that precede generation and spillway operations. The alarms at Logan Martin and Mitchell sound at one-minute intervals beginning three minutes before generation begins.*
- *Restricted public access areas have been designated due to hazards inherent to the operation of the electric generating plant or other hazards.*
- *The Alabama Marine Police are responsible for several public safety programs on APC project reservoirs.*

- *Under a new five-year partnership to improve boater safety, Alabama Power will donate \$145,000 to the Alabama Marine Police. The Alabama Marine Police will use the funds to further develop and implement boater and recreational safety programs and projects such as marking hazards, promoting personal flotation device usage and other safety related programs.*
- *In the Land Use Plans, restricted public access areas have been identified due to hazards inherent to the operation of the electric generating plant or other hazards.*

37. Acknowledging the fact that recreation on and around lakes has inherent safety risks, are there public safety issues associated with recreation on this reservoir? If yes, continue, if not, stop.

- *Yes.*
- a. **What public safety issue(s) exist on this reservoir?**
 - *Standard boating safety issues common to all lakes.*
 - b. **Where does this issue(s) exist?**
 - *In high use area close to boat access sites.*
 - c. **When is this issue(s) perceived to be a problem?**
 - *Questions 37 a, b, and c are answered together as follows:*
 - *Potential conflicts between users including conflict between motorized and non-motorized boaters.*
 - *Jet ski use.*
 - *Floating docks.*
 - *Stumps and trees during extreme low water levels.*
 - *Note that the elevation for the top of the trees under Smith Lake is el. 483' msl.*
 - *Since operation, the lake has not been lower than el. 488' msl.*
 - *Boating traffic congestion is a safety concern. Several areas have two high use marinas located in close proximity to each other. These marinas include: Ryan's Creek and Castle Rock and Duskin Point and Richards. Note that there is a relatively narrow channel in front of Castle Rock and Ryans Creek and a submerged island located on the right bank of the channel. Both of these factors contribute to heavy congestion in this area.*
 - *There are submerged islands located at the mouth of Clear Creek, Dismal Creek, and Miller Flats that are hazardous during low water levels. These areas used to be marked with buoys. The submerged islands are perceived to be a problem at water levels below el. 495' msl. Note that normal winter pool is el. 496' msl. One stakeholder noted that Miller Flats once marked by the Water Patrol.*
 - *There is a large rock outcrop located just downstream of Dismal Creek.*
 - *One stakeholder noted that the breaching of mining dams cause some sedimentation and floating debris in Smith Lake and its tributaries.*
 - *There are six areas that the IAG identified that should be marked, effecting approximately 4 acres of water.*
 - d. **Has this problem recently developed?**
 - *No.*

- e. **List all those conditions and/or behaviors that contribute to the problem?**
- *Boaters are unaware of the hazardous areas.*
 - *Boaters are operating irresponsible.*
 - *The buoys are stolen and/or vandalized.*
- f. **Does the current operation of the project contribute to the problem? Has project operation changed in recent years?**
- *Operation of the Smith Project has not changed in recent years.*
 - *The above public safety issues occur fairly infrequently. However, when water levels are low, they tend to remain for several months. The lake is generally at its lowest level in October.*
 - *The lake level may reach an elevation of 488' msl maybe once in every 20 years.*

38. Are there going to be changes to this reservoir in the next 50 years that will affect public safety?

- *User conflicts and congestion may increase over time. Several stakeholders are concerned that congestion in certain areas could get really bad over time.*
- *It was suggested that signage may help to alleviate congestion and conflict.*

39. Is this an issue that can be addressed within the relicensing process, or do solutions lie elsewhere?

QUESTIONS REGARDING PUBLIC EDUCATION (R8)

40. Can education and information (R8) help resolve the issue?

- *Several IAG members discussed if the creek areas and submerged islands should be marked. The primary issue with marking these areas is the vandalism and theft of the markings/buoys.*
- *The IAG members agreed that education alone can't eliminate the public safety issues and that some buoys should be installed. Buoys in open water areas should be given priority when marking and maintaining the buoys.*
- *Bob Huffaker of the Alabama Marine Police will investigate and report to the IAG the number, location, and maintenance of registered buoys on the lake.*
- *One IAG member suggested that navigation maps be developed with safety markings at various lake levels. Several stakeholders noted that there is not a map currently in print that indicates buoys and other safety markings. It was also suggested that maps could be placed on placards at boat launches and other public access sites. Note that that IAG concurred that the Carto-Craft map is utilized by many boaters.*
- *APC noted that publishing maps with safety markings in them is a potential liability.*

Recreation Issues Standard Process

The following is a list of standard questions designed to help characterize existing recreation resources and aid in development of an appropriate recreation plan for the Saluda Project. Questions pertaining to recreation management are categorized according to a four-step recreation planning process developed for the project. Questions pertaining to reservoir levels and downstream flows are listed following the facility management material.

STEP 1 – DETERMINE DESIRED FUTURE CONDITION

1. Identify Lake Murray and/or Lower Saluda River (LSR) qualities important to keep and any qualities that need changes.

Change:

Relative water level stability

Predictability

Accessibility and amenities (boardwalk accessible from land and water)

Water quality

Keep:

Water quality

Natural shoreline

Aesthetics

Fishing opportunities

Hunting opportunities

Wildlife watching

Living on lake/river

Solitude

Keep islands natural

Safety/security

Public-private balance

Shoreline Management Program

Contingency reserve capacity

2. Are there unique characteristics of Lake Murray and/or the LSR relative to other reservoirs/tailraces in the area?

Location

Size

Uninterrupted by bridges

Amount of land owned by SCE&G

Extensive shoreline

Usable/accessible shoreline

Purple Martin habitat

Whitewater paddling

Cold water fisheries

3. What is the overall vision for Lake Murray and/or the LSR, in terms of recreation experiences and opportunities?

What would you like to see for Lake Murray and the LSR in 30 years?

4. Are there sensitive biological or cultural resources associated with the Project that need to be considered? Where are these resources located and are there seasonal sensitivities (e.g., nesting or spawning times, etc.)?

ESA

Lands that support wildlife habitat

See Cultural RCG

5. Identify specific goals and objectives for managing recreation at Lake Murray and/or in the LSR.

Lake levels

River levels and flows

Minimum flows

Recreational flows

Management of flows

Scheduled recreational releases

Knowledge of current and anticipated generation releases

Park on Lexington side of lake

Provide takeout point above Zoo at Millrace Rapids

LSR trail (River Alliance / Saluda Shoals Park)

Assure long term stability of Billy Dreher Island, Flotilla Island, and Saluda Shoals Park

Large tournament facility

Reasonable avoid negatively impacting commercial facilities

Conservation of existing project lands for wildlife and scenic values

Estimate current and future recreational use of reservoir and river

Year-round access for recreation sites

STEP 2 – ESTABLISH BASELINE CONDITIONS

6. What is the nature of existing recreational access to Lake Murray and the LSR?
 - a. How many public accessible, developed recreation sites are there?
 - b. Where are they located/how are they distributed around the Project?
 - c. Of these publicly accessible access sites how many are owned and operated by public versus private entities and how are they supervised?
 - d. How many sites, open to the public, provide boat access to the reservoir and the LSR?
 - e. How many provide shoreline fishing?
 - f. Identify the most heavily used facilities.

- g. Are there informal, undeveloped use areas? Where are they?
7. What types of existing developed facilities are there?
 - a. Enumerate boat ramps, restrooms, docks, and other facilities.
 - b. What is the existing capacity at each site?
 - c. What is the general condition of each site and its facilities?
 - d. Ideas for improving existing facilities.
 8. Describe notable recreation activities on Lake Murray and/or the LSR.
 - a. List recreation activities currently occurring and identify most prominent activities.
 - b. Where are these uses occurring, and are they concentrated in certain areas?
 - c. Identify existing impediments to these activities, if any.
 9. Are there known management issues associated with use?
 - a. Are there areas of congestion, and if so where?
 - b. Are there known conflicts between users, and if so where and when?
 - c. Are there other known management issues, such as littering, trespassing, etc.?
 10. What is the expected future demand for recreation activities at Lake Murray?
 - a. Will existing facility capacity likely be exceeded, and if so where and when?
 - b. Would accommodating this demand be consistent with the long-term vision for the reservoir?
 - c. Will demand introduce new or additional congestion, conflicts, or other management issues?
 11. Identify current local benefits from recreation and any local detriments.

STEP 3 – DETERMINE WHAT IS NEEDED AND WHEN

12. Ideas for better or different access, consistent with Step 2 above.
13. Potential facility enhancements or upgrades, consistent with Step 2 above.
14. Potential new facilities, or other management actions, consistent with Step 2 above.
15. What are the priorities regarding identified needs both in terms of resources and time?
How do priorities compare across the entire Project?

STEP 4 – DECIDE HOW NEEDS WILL BE MET AND WHO IS RESPONSIBLE

QUESTIONS REGARDING RESERVOIR LEVELS

16. How is the Project currently operated and what are the typical reservoir levels during key recreation seasons?
17. Are there changes to Project operations that you would like to see addressed to improve the overall value of the reservoir, and how specifically would such changes benefit recreation?
18. Are there seasonal and/or daily variations in reservoir level that can occur without adversely affecting the overall value of the project (including impoundment objectives such as recreation, fish and wildlife, flood control, generation, navigation, etc.)?
19. What are the reservoir levels at which recreation problems tend to occur (may be different for different locations or problems)?
20. When (i.e., what time of year) and how frequently do problems occur related to reservoir levels?
21. Why are the current operating water levels important to the operation of the project and the overall system?
22. Are there state or federal operating requirements that stipulate specific operating goals?

QUESTIONS REGARDING DOWNSTREAM FLOWS

23. Are there riverine recreation opportunities below the dam? If yes, move to additional questions, if not, stop.
24. Do we know how different flow levels affect recreation opportunities and specific recreation activities?
25. Can opportunities be enhanced by modifying releases, and in what way?
26. How would modified releases affect upstream lake levels?
27. How would suggested modified downstream flows affect project operations at the project and at upstream and downstream projects?
28. Are there additional concerns with regard to state and federal requirements or existing ecological issues that limit suggested changes to downstream flows?

Recreation Issues Standard Process

The following is a list of standard questions designed to help characterize existing recreation resources and aid in development of an appropriate recreation plan for the Saluda Project. Questions pertaining to recreation management are categorized according to a four-step recreation planning process developed for the project. Questions pertaining to reservoir levels and downstream flows are listed following the facility management material.

STEP 1 – DETERMINE DESIRED FUTURE CONDITION

1. Identify Lake Murray and/or Lower Saluda River (LSR) qualities important to keep and any qualities that need changes.

Change:

Relative water level stability

Predictability

Accessibility and amenities (boardwalk accessible from land and water)

Water quality

Keep:

Water quality

Natural shoreline

Aesthetics

Fishing opportunities

Hunting opportunities

Wildlife watching

Living on lake/river

Solitude

Keep islands natural

Safety/security

Public-private balance

Shoreline Management Program

Contingency reserve capacity

2. Are there unique characteristics of Lake Murray and/or the LSR relative to other reservoirs/tailraces in the area?

Location

Size

Uninterrupted by bridges

Amount of land owned by SCE&G

Extensive shoreline

Usable/accessible shoreline

Purple Martin habitat

Whitewater paddling

Cold water fisheries

3. What is the overall vision for Lake Murray and/or the LSR, in terms of recreation experiences and opportunities?

What would you like to see for Lake Murray and the LSR in 30 years?

4. Are there sensitive biological or cultural resources associated with the Project that need to be considered? Where are these resources located and are there seasonal sensitivities (e.g., nesting or spawning times, etc.)?

ESA

Lands that support wildlife habitat

See Cultural RCG

5. Identify specific goals and objectives for managing recreation at Lake Murray and/or in the LSR.

Lake levels

River levels and flows

Minimum flows

Recreational flows

Management of flows

Scheduled recreational releases

Knowledge of current and anticipated generation releases

Park on Lexington side of lake

Provide takeout point above Zoo at Millrace Rapids

LSR trail (River Alliance / Saluda Shoals Park)

Assure long term stability of Billy Dreher Island, Flotilla Island, and Saluda Shoals Park

Large tournament facility

Reasonable avoid negatively impacting commercial facilities

Conservation of existing project lands for wildlife and scenic values

Estimate current and future recreational use of reservoir and river

Year-round access for recreation sites

STEP 2 – ESTABLISH BASELINE CONDITIONS

6. What is the nature of existing recreational access to Lake Murray and the LSR?
 - a. How many public accessible, developed recreation sites are there?
 - b. Where are they located/how are they distributed around the Project?
 - c. Of these publicly accessible access sites how many are owned and operated by public versus private entities and how are they supervised?
 - d. How many sites, open to the public, provide boat access to the reservoir and the LSR?
 - e. How many provide shoreline fishing?
 - f. Identify the most heavily used facilities.

- g. Are there informal, undeveloped use areas? Where are they?
7. What types of existing developed facilities are there?
 - a. Enumerate boat ramps, restrooms, docks, and other facilities.
 - b. What is the existing capacity at each site?
 - c. What is the general condition of each site and its facilities?
 - d. Ideas for improving existing facilities.
 8. Describe notable recreation activities on Lake Murray and/or the LSR.
 - a. List recreation activities currently occurring and identify most prominent activities.
 - b. Where are these uses occurring, and are they concentrated in certain areas?
 - c. Identify existing impediments to these activities, if any.
 9. Are there known management issues associated with use?
 - a. Are there areas of congestion, and if so where?
 - b. Are there known conflicts between users, and if so where and when?
 - c. Are there other known management issues, such as littering, trespassing, etc.?
 10. What is the expected future demand for recreation activities at Lake Murray?
 - a. Will existing facility capacity likely be exceeded, and if so where and when?
 - b. Would accommodating this demand be consistent with the long-term vision for the reservoir?
 - c. Will demand introduce new or additional congestion, conflicts, or other management issues?
 11. Identify current local benefits from recreation and any local detriments.

STEP 3 – DETERMINE WHAT IS NEEDED AND WHEN

12. Ideas for better or different access, consistent with Step 2 above.
13. Potential facility enhancements or upgrades, consistent with Step 2 above.
14. Potential new facilities, or other management actions, consistent with Step 2 above.
15. What are the priorities regarding identified needs both in terms of resources and time?
How do priorities compare across the entire Project?

STEP 4 – DECIDE HOW NEEDS WILL BE MET AND WHO IS RESPONSIBLE

QUESTIONS REGARDING RESERVOIR LEVELS

16. How is the Project currently operated and what are the typical reservoir levels during key recreation seasons?
17. Are there changes to Project operations that you would like to see addressed to improve the overall value of the reservoir, and how specifically would such changes benefit recreation?
18. Are there seasonal and/or daily variations in reservoir level that can occur without adversely affecting the overall value of the project (including impoundment objectives such as recreation, fish and wildlife, flood control, generation, navigation, etc.)?
19. What are the reservoir levels at which recreation problems tend to occur (may be different for different locations or problems)?
20. When (i.e., what time of year) and how frequently do problems occur related to reservoir levels?
21. Why are the current operating water levels important to the operation of the project and the overall system?
22. Are there state or federal operating requirements that stipulate specific operating goals?

QUESTIONS REGARDING DOWNSTREAM FLOWS

23. Are there riverine recreation opportunities below the dam? If yes, move to additional questions, if not, stop.
24. Do we know how different flow levels affect recreation opportunities and specific recreation activities?
25. Can opportunities be enhanced by modifying releases, and in what way?
26. How would modified releases affect upstream lake levels?
27. How would suggested modified downstream flows affect project operations at the project and at upstream and downstream projects?
28. Are there additional concerns with regard to state and federal requirements or existing ecological issues that limit suggested changes to downstream flows?

Solution Principles for the Recreation Resource Conservation Group

1. Consideration of new recreational facilities should be based on demonstrated need and the potential impact on existing facilities.
2. Priority should be given to demonstrated need within the FERC project boundary.
3. Priority should be given to recreational proposals where multiple stakeholders offer significant participation.
4. Recreational facilities should appeal to a broad public.
5. Reasonable access for the disabled should be provided.
6. Recreational needs should be prioritized for the project.
7. The improvement or expansion of existing recreational facilities should be considered first.
8. Additional recreational studies (if needed) should be only of sufficient scope and duration to provide necessary information to develop issue solutions.
9. Consensus based solutions are preferred over studies, unless solutions cannot be developed with existing information.

Preferred consideration will be given to ideas that:

- do not promote facilities that would adversely impact existing commercial operations;
- identify actual recreational needs that are not filled by existing facilities;
- receive broad public support;
- expand existing recreational facilities prior to developing green field sites;
- require doing recreational studies only if consensus cannot be reached with existing information (It is preferred to put financial resources into recreational facilities and opportunities that benefit the overall Project, rather than fund unnecessary/subjective studies).

Danielle Fitzpatrick

From: Dave Anderson
Sent: Tuesday, March 07, 2006 10:54 AM
To: Tom Eppink; Bill Marshall; Charlene Coleman; Dave Anderson; Guy Jones; Jennifer Summerlin; Karen Kustafik; Malcolm Leaphart; Patrick Moore
Subject: Instream Flow Analysis DVD

I have tried to get the video to work on every machine in my office (including two different computers and a DVD player), but something is wrong with the sound on this copy. Do we want to pursue getting a working copy of this video? Has anybody seen it?

Danielle Fitzpatrick

From: Malcolm Leaphart [malcolml@mailbox.sc.edu]
Sent: Thursday, March 09, 2006 11:08 AM
To: Dave Anderson
Cc: Tony Bebbler; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; Bill Marshall; Charlene Coleman; Charlie Rentz; Dave Anderson; David Hancock; Dick Christie; George Duke; Gerrit Jobsis (American Rivers); Guy Jones; Irvin Pitts (ipitts@scprt.com); James Smith; Jeff Duncan; Jennifer Summerlin; JoAnn Butler; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Larry Michalec; Lee Barber; Mark Leao; Marty Phillips; Mike Waddell; Miriam Atria; Norman Ferris; Patricia Wendling; Patrick Moore; Ralph Crafton; RMAHAN@scana.com; Richard Mikell; Stanley Yalicki; Steve Bell; Suzanne Rhodes; Tim Flach; Tim Vinson; Tom Brooks; Tommy Boozer
Subject: Re: Downstream Flows TWC Draft Meeting Notes

Quoting Dave Anderson <Dave.Anderson@KleinschmidtUSA.com>:

> Here are the draft meeting notes for the Downstream Flows TWC, which
> met last Wednesday. Don't forget that only those people in attendance
> can edit the content of the meeting notes; other RCG members may
> comment on the topics discussed.
>
> Please have any comments/edits back to me by March 20th.
>
> <<2006-03-01 DFTWC Meeting Notes (DRAFT).doc>>
>

Dave: Some clarifications follow. Thanks for getting the drafts out quickly.

current paragraph:

Malcolm L. questioned the group as to what "recreational flows" means. Dave replied that he thinks it means flows conducive to certain activities, or optimal flows. Malcolm replied that their only concern with the LSR is that we don't know about project releases in advance and that getting onto or out of the river is not easy. Tom E. believed these issues will be dealt with in the Safety RCG.

suggested paragraph:

Malcolm L. questioned the group as to what "recreational flows" means. Dave replied that he thinks it means flows conducive to certain activities, or optimal flows. Malcolm replied that their main concerns with the LSR are that project releases are not announced in advance and that recreating is often unsafe because of the extreme flow level changes; and, that TU advocates for the best flows to be set based on scientific studies for the fish, not for the fishermen or other recreationists. Tom E. believed the flow issues will be dealt with in the Safety RCG and in the Fish & Wildlife RCG.

current paragraph:

Tom questioned the group as to what would be each groups "preferred" flow for the LSR, not taking other Project uses into account (i.e., what would each group like to see if their respective uses were the only consideration). Malcolm replied that he would like to see a naturally flowing river, but knows this can't be the case. Malcolm questioned if we should examine Project effects on a naturally flowing river. Tom replied there will ultimately be a flow regime. Dave also noted the FERC will be using the current license as a baseline and they will not go back to pre-Project conditions in an environmental analysis.

suggested paragraph:

Tom questioned the group as to what would be each groups "preferred" flow for the LSR, not taking other Project uses into account (i.e., what would each

group like to see if their respective uses were the only consideration). Malcolm replied that he would like to see more of a 'run of the river' flow regime with flows out of the lake based on flows into the lake with scheduled releases that averaged those flows over a 24 hour period for less fluctuation. Tom replied there will ultimately be a flow regime. Dave also noted the FERC will be using the current license as a baseline and they will not go back to pre-Project conditions in an environmental analysis.

Danielle Fitzpatrick

From: bellsteve9339@bellsouth.net
Sent: Friday, March 10, 2006 9:49 AM
To: Dave Anderson; Tony Bebber; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Bill Marshall; Charlene Coleman; Charlie Rentz; Dave Anderson; David Hancock; Dick Christie; George Duke; Gerrit Jobsis (American Rivers); Guy Jones; Irvin Pitts (ipitts@scprt.com); James Smith; Jeff Duncan; Jennifer Summerlin; JoAnn Butler; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Larry Michalec; Lee Barber; Malcolm Leaphart; Mark Leao; Marty Phillips; Mike Waddell; Miriam Atria; Norman Ferris; Patricia Wendling; Patrick Moore; Ralph Crafton; Randy Mahan; Richard Mikell; Stanley Yalicki; Suzanne Rhodes; Tim Flach; Tim Vinson; Tom Brooks; Tommy Boozer
Cc: bellsteve9339@bellsouth.net
Subject: Re: 03-03-06 Rec Management TWC Draft Meeting Notes



2006-03-03_Recrea
tion_Manageme...

Dave - See below for suggested changes - Also attachment with edits.

Existing

(Steve Bell questioned the recreational use of the buffer zone around the lake. He wondered if we need to include the buffer zone as part of the list of recreational sites. He was mainly worried that the public is not aware of this recreational resource and that this buffer zone remains a recreational resource in the future. David and Tommy expressed their concern about advertising this area as a recreational site and the potential for conflict it may create. Tommy pointed out that the buffer zone, as well as future recreational areas and game management areas are open to the public. The group agreed that these areas would not be added to the list of recreational sites, but would be identified and described on a map of shoreline classifications that will be produced in the Lake and Land Management RCG.)

Change to:

Steve B. indicated that shorelines in the forest management, future development classification and buffer zones are open to the public for passive recreational uses and should be included in the inventory of areas available for public use. Tommy Boozer indicated that he did not want to include these in the inventory of areas "designated" as recreational sites. Steve B. noted that the islands which have no amenities are included so why not the forest management lands, future development, and buffers. David and Tommy expressed their concern about advertising buffer zones as designated recreational sites due to the potential for conflict it may create. Steve B indicated that members of the Recreational Resource Committee should be aware that these shorelines while not designated as recreational sites are available for public use noting that the FERC recently ruled that public access paths to the buffers should be provided as needed. Steve B. suggested that for the purpose of inventory, forest management, future development, and buffers should be listed as a separate category i.e. (non designated areas, impromptu, passive) and included as part of the recreational resource inventory. The group agreed to include the information including acreage and length of shoreline.

>
> From: Dave Anderson <Dave.Anderson@KleinschmidtUSA.com>
> Date: 2006/03/07 Tue PM 02:24:02 EST
> To: Tony Bebber <tbebber@scprt.com>, Alan Axson <cfdwaxson@columbiasc.net>,
> Alan Stuart <alan.stuart@kleinschmidtusa.com>, Alison Guth
> <alison.guth@kleinschmidtusa.com>, Amanda Hill <amanda_hill@fws.gov>,
> Bill Argentieri <bargentieri@scana.com>, Bill Marshall
> <marshallb@dnr.sc.gov>, Charlene Coleman <cheetahrk@yahoo.com>,
> Charlie Rentz <flyhotair@greenwood.net>, Dave Anderson
> <dave.anderson@kleinschmidtusa.com>, David Hancock <dhancock@scana.com>,
> Dick Christie <dchristie@infoave.net>, George Duke

> <kayakduke@bellsouth.net>, "Gerrit Jobsis (American Rivers)"
> <gjobsis@americanrivers.org>, Guy Jones <guyjones@sc.rr.com>,
> "Irvin Pitts (ipitts@scprt.com)" <ipitts@scprt.com>, James Smith
> <bkawasi@sc.rr.com>, Jeff Duncan <jeff_duncan@nps.gov>,
> Jennifer Summerlin <Jennifer.Summerlin@KleinschmidtUSA.com>, JoAnn Butler
> <jbutler@scana.com>, Joy Downs <elymay2@aol.com>, Karen Kustafik
> <kakustafik@columbiasc.net>, Keith Ganz-Sarto
> <keith_ganz_sarto@hotmail.com>, Larry Michalec <lmichalec@aol.com>,
> Lee Barber <lbarber@sc.rr.com>, Malcolm Leaphart
> <malcolml@mailbox.sc.edu>, Mark Leao <mark_leao@fws.gov>, Marty Phillips
> <marty.phillips@kleinschmidtusa.com>, Mike Waddell
> <mwaddell@esri.sc.edu>, Miriam Atria <miriam@lakemurraycountry.com>,
> Norman Ferris <norm@sc.rr.com>, Patricia Wendling <wwending@sc.rr.com>,
> Patrick Moore <patrickm@scccl.org>, Ralph Crafton <crafton@usit.net>,
> Randy Mahan <rmahan@scana.com>, Richard Mikell
> <adventurec@mindspring.com>, Stanley Yalicki <joyyalicki@aol.com>,
> Steve Bell <bellsteve9339@bellsouth.net>, Suzanne Rhodes
> <suzrhodes@juno.com>, Tim Flach <tflach@thestate.com>, Tim Vinson
> <vinsont@dnr.sc.gov>, Tom Brooks <tbrooks@newberrycounty.net>,
> Tommy Boozer <tboozer@scana.com>
> Subject: 03-03-06 Rec Management TWC Draft Meeting Notes
>
> Please have any comments/edits to me by March 21st.
>
> <<2006-03-03 Recreation Management TWC Meeting Notes (DRAFT).doc>>
>
>

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
RECREATION MANAGEMENT TECHNICAL WORKING COMMITTEE**

**LAKE MURRAY TRAINING CENTER
March 3, 2006**

draft dka 03-07-06

ATTENDEES:

Name	Organization	Name	Organization
David Hancock	SCE&G	George Duke	LMHC
Dave Anderson	Kleinschmidt Associates	Tim Vinson	SCDNR
Tommy Boozer	SCE&G	Tony Bebbler	SCPRT
Steve Bell	Lake Murray Watch	Jennifer Summerlin	Kleinschmidt Associates

HOMEWORK ITEMS:

- Tommy B. – send out acreage of current management prescriptions
- All – research(**dock restrictions and any boating capacity studies that the Corps used**) restrictions on Lake Lanier
- Dave – scan and email existing boating use study
- Tim – send Dave questions used by DNR during previous surveys
- Dave – draft inventory form and inventory database

PARKING LOT ITEMS:

-

DATE OF NEXT MEETING:

**March 17, 2006 at 10:00 a.m.
Conference Call**

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING RECREATION MANAGEMENT TECHNICAL WORKING COMMITTEE

LAKE MURRAY TRAINING CENTER

March 3, 2006

draft dka 03-07-06

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Dave A. opened the meeting by briefly going over the objectives of the TWC and what the committee needs to accomplish by the start of the recreation season. The first thing that the committee went over is the facility inventory that has been discussed in the Recreation RCG meetings. Dave reminded the group that they need to have the complete list of amenities by the end of the day in order to complete the facility inventory.

There was some discussion as to how the information would be maintained after it was collected. Dave explained the benefits of storing the information in a database, which would allow SCE&G to easily update the information, and will allow the data to be used in a variety of ways (GIS, brochure, website, etc.). Tommy reminded the group that SCE&G goes through the updating process when it is time to submit their Form 80s and also during the 5-year review of the lake management plan. Tommy noted that the 5-year review was originally a recreational review and has evolved to encompass the entire lake and land management program. The group also discussed how this information would be available on a website.

Dave reminded the group that a website is peripheral to collecting the information; we need to focus since the recreation season is approaching. There was a group discussion of additional variables that need to be collected for purposes of a complete facility inventory. One of the main points from this discussion focuses on ADA compliance. The group agreed that we must contact the Department of Vocational Rehabilitation and have them evaluate all of SCE&G's park sites as part of the facility inventory. The group agreed to a final set of variables (to be shown on the inventory form—attached) that must be collected as part of the inventory. Dave will send out a draft form with the information to be collected prior to next meeting and will also begin to design the database that will store the information.

Steve B. indicated that shorelines in the forest management, future development classification and buffer zones are open to the public for passive recreational uses and should be included in the inventory of areas available for public use. Tommy Boozer indicated that he did not want to include these in the inventory of areas "designated" as recreational sites. Steve B. noted that the islands which have no amenities are included so why not the forest management lands, future development, and buffers. David and Tommy expressed their concern about advertising buffer zones as designated recreational sites due to the potential for conflict it may create. Steve B indicated that members of the Recreational Resource Committee should be aware that these shorelines while not designated as recreational sites are available for public use noting that the FERC recently ruled that

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING RECREATION MANAGEMENT TECHNICAL WORKING COMMITTEE

LAKE MURRAY TRAINING CENTER

March 3, 2006

draft dka 03-07-06

public access paths to the buffers should be provided as needed. Steve B. suggested that for the purpose of inventory, forest management, future development, and buffers should be listed as a separate category i.e. (non designated areas, impromptu, passive) and included as part of the recreational resource inventory. The group agreed to include the information including acreage and length of shoreline. Delete-

(Steve Bell questioned the recreational use of the buffer zone around the lake. He wondered if we need to include the buffer zone as part of the list of recreational sites. He was mainly worried that the public is not aware of this recreational resource and that this buffer zone remains a recreational resource in the future. David and Tommy expressed their concern about advertising this area as a recreational site and the potential for conflict it may create. Tommy pointed out that the buffer zone, as well as future recreational areas and game management areas are open to the public. The group agreed that these areas would not be added to the list of recreational sites, but would be identified and described on a map of shoreline classifications that will be produced in the Lake and Land Management RCG.)

The group briefly returned to the discussion of facility inventory. Dave wanted to make sure that the list of amenities the group has agreed to will satisfy the comments from the SCPRT on the Initial Consultation Document. Tony B. indicated they would, but he would like to see numbers with those variables where a count makes sense (parking spaces, tables, etc.). Dave also wanted to make sure the group agreed that this information would only be collected for SCE&G public areas and not for private or commercial areas. The group agreed, but wanted to make sure the information we already have on private/commercial facilities is not lost.

There was some discussion as to whether the islands need to be taken off the SCE&G facilities list. Tommy wants them to stay on the list because they are an important part of recreational use on the lake. The group agreed to leave the islands on the list and indicate they can be used for primitive camping. Dave questioned the numbers assigned to some private facilities and not others. David H. replied they have not updated the numbers and need to do so as part of this exercise.

After lunch, the group concentrated on existing use data and the need to collect additional data for purposes of relicensing. Dave summarized the study request for recreation and went over the studies that need to be in place by the start of recreation season. Dave asked the group if a carrying capacity study was necessary given SCE&G cannot regulate the numbers of boats on the lake. Dave preferred the term boat density study and reminded the group that SCE&G has conducted this type of study in 2001. There was some discussion as to how the boat counts provide useful information and possible uses of this information in analyses of crowding on the lake. The group agreed to look at the existing boating count study and make a determination if this type of study

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
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LAKE MURRAY TRAINING CENTER

March 3, 2006

draft dka 03-07-06

needs to be conducted again. Dave will scan the report and send to the group so they can make a determination by Friday, March 10.

The group then discussed some of the studies done in support of the Catawba-Wateree relicensing for Duke Power. Tony pointed out the user surveys they conducted at existing sites as well as the surveys done of the surrounding region to determine the need for more access sites. Tommy B. questioned if this information was useful for locating new recreation sites. Tony replied that not only did the surveys do that, but also provided information as to satisfaction with existing facilities. Tommy reminded the group that the main determination they will use in deciding locations of new sites is whether SCE&G owns the property—it is highly unlikely that SCE&G will purchase additional properties for future sites.

Dave questioned the group if it would be possible to use counts conducted during the remediation project to estimate use at recreation facilities. The group agreed this information might prove useful, but is probably not an accurate reflection of use. The group discussed doing a use estimate of SCE&G facilities as well as conducting a survey of users at these sites. Tim mentioned the DNR has some questions they use for these types of surveys and he will send the questions to Dave. Dave will also look at the Catawba-Wateree study and see if there are any applicable questions the group can use. Dave will draft a questionnaire for the group's consideration at the next meeting.

Dave reminded the group that we must reach a decision on the boat density study as soon as possible so the group can finalize plans for the recreation season. Tony pointed out the season starts on April 1 and he would like to see the survey conducted over an entire year. The group examined the calendar for the coming weeks and agreed to have conference call on March 17 to talk about a user questionnaire. Dave reminded the group that the LSR needs to be included in any studies. After reviewing the homework items, the meeting adjourned.

Cheryl Balitz

From: RMAHAN@scana.com
Sent: Monday, March 13, 2006 11:31 AM
To: Alan Stuart; Dave Anderson; EPPINK, THOMAS G; BARGENTIERI@scana.com; Alison Guth
Subject: RE: RE Steve Bell message

Correct. And Steve Bell's insistence that all his pearls of wisdom be captured verbatim, as well as all others he believes support his positions, is unpersuasive. We want to capture the essence of points made and questions asked. If we have not done so, we need to amend. If we have done so, that should be the end of the discussion. And by the way, it should not be Steve Bell's job to correct the record of what someone else said and is summarized in the record if that person also is reviewing the minutes and has not objected to the way in which his/her ideas/comments are represented.

-----Original Message-----

From: Alan Stuart [mailto:Alan.Stuart@KleinschmidtUSA.com]
Sent: Monday, March 13, 2006 10:26 AM
To: Dave Anderson; EPPINK, THOMAS G; ARGENTIERI, WILLIAM R; MAHAN, RANDOLPH R; Alison Guth
Subject: RE: RE Steve Bell message

I agree, this is not a transcript.

-----Original Message-----

From: Dave Anderson
Sent: Monday, March 13, 2006 10:22 AM
To: 'EPPINK, THOMAS G'; Alan Stuart; ARGENTIERI, WILLIAM R; MAHAN, RANDOLPH R; Dave Anderson; Alison Guth
Subject: RE: RE Steve Bell message

Check the second copy of the meeting notes and see if I captured Tom's comment. I agree we don't want quotes in these notes.

-----Original Message-----

From: EPPINK, THOMAS G [mailto:TEPPINK@scana.com]
Sent: Monday, March 13, 2006 9:20 AM
To: Alan Stuart; ARGENTIERI, WILLIAM R; MAHAN, RANDOLPH R; Dave Anderson; Alison Guth
Subject: RE Steve Bell message

I would recommend staying away from quotes or anything else that smacks of a verbatim transcription. While specificity is fine (e.g., "Mr. Smith of PRT said there are five public parks on the lake") I would avoid trying to capture verbatim quotes such as "Lee Barber said 'we need to find out if there is a safety factor, we have made an assumption that there is an issue based on no data'" and would instead go with "Lee Barber suggested finding out if there was a safety factor, and questioned the basis for..."

-----Original Message-----

From: bellsteve9339@bellsouth.net [mailto:bellsteve9339@bellsouth.net]
Sent: Friday, March 10, 2006 8:49 AM
Subject:

To: "Bill Marshall" <MarshallB@dnr.sc.gov>, "Dave Anderson" <Dave.Anderson@KleinschmidtUSA.com>, "Tommy Boozer" <tboozer@scana.com>, "Aaron Small" <arsbhs@bellsouth.net>, "Alan Axson" <cfdwaxson@columbiasc.net>, "Alan Stuart" <alan.stuart@kleinschmidtusa.com>, "Alison Guth" <alison.guth@kleinschmidtusa.com>, "Amanda Hill" <amanda_hill@fws.gov>, "Bill Argentieri" <bargentieri@scana.com>, "Bill Mathias" <bill25@sc.rr.com>, "Bret Hoffman" <bret.hoffman@kleinschmidtusa.com>, "Charlene Coleman" <cheetahtrk@yahoo.com>, "David Price" <pricedc@dhc.sc.gov>, "Dick Christie" <dchristie@infoave.net>, "Edward Schnepel" <eschnepel@sc.rr.com>, "George Duke" <kayakduke@bellsouth.net>, "Gerrit Jobsis (American Rivers)" <gjobsis@americanrivers.org>, "Jerry Wise" <meddynamic@aol.com>, "Jim Devereaux" <jdevereaux@scana.com>, "John and Rob Altenberg" <seatowlakemurray@seatow.com>, "Karen

Kustafik" <kakustafik@columbiasc.net>,"Kenneth Fox" <skfox@sc.rr.com>,"Lee Barber" <lbarber@sc.rr.com>,"Malcolm Leaphart" <malcolml@mailbox.sc.edu>,"Mark Leao" <mark_leao@fws.gov>,"Mike Waddell" <mwaddel@attglobal.net>,"Miriam Atria" <miriam@lakemurraycountry.com>,"Norm Nicholson" <larana@mindspring.com>,"Norman Ferris" <norm@sc.rr.com>,"Patrick Moore" <patrickm@sccl.org>,"Randy Mahan" <rmahan@scana.com>,"Suzanne Rhodes" <suzrhodes@juno.com>,"Tom Eppink" <teppink@scana.com>
Subject: Re: RE: 02-14-06 Draft Meeting Notes - Saftey RCG - Saluda Hydro
Date: Fri, 10 Mar 2006 8:48:08 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Message-Id: <20060310134809.DOV2285.ibm58aec.bellsouth.net@mail.bellsouth.net>
X-esp: ESP<0>=RBL:<0> SHA:<0> UHA:<0> SLS:<0> BAYES:<0> SenderID:<0> Spam
Dictionary (TRU10):<0> Obscenities Dictionary (TRU10):<0>
Scam Dictionary (TRU10):<0> Adult Dictionary (TRU10):<0>
Embed HTML Dictionary (TRU10):<0> Float Dictionary (TRU10):<0> HTML Dictionary (TRU10):<0> URL Real-Time Signatures:<0> Spam Dictionary 2 (TRU10):<0>
Return-Path: bellsteve9339@bellsouth.net
X-OriginalArrivalTime: 10 Mar 2006 13:48:33.0864 (UTC) FILETIME=[52C5E480:01C64449]

Dave- Below is suggested changes to summary. In addition, I would recommend that actual quotes from members regarding the lake levels/safety be included for instance, Lee Barber said "we need to find out if there is a safety factor, we have made an assumption that there is an issue based on no data", George Duke said said " I am assuming that there is a reason that DNR has marked the lake for 354, if would make sense to mark it a lower levels." etc.

Delete-- "Most of the group agreed that lake levels are probably not a safety issue, and the inherent dangers of boating are the cause for people not knowing about the existing shoal markers" Include comments from those members who indicated that "lake levels are probably not a safety issue"

Thanks Steve Bell

> From: "Bill Marshall" <MarshallB@dnr.sc.gov>
> Date: 2006/03/07 Tue PM 03:04:05 EST
> To: "Dave Anderson" <Dave.Anderson@KleinschmidtUSA.com>,
> "Tommy Boozer" <tboozer@scana.com>,
> "Aaron Small" <arsbhs@bellsouth.net>,
> "Alan Axson" <cfdwaxson@columbiasc.net>,
> "Alan Stuart" <alan.stuart@kleinschmidtusa.com>,
> "Alison Guth" <alison.guth@kleinschmidtusa.com>,
> "Amanda Hill" <amanda_hill@fws.gov>,
> "Bill Argentieri" <bargentieri@scana.com>,
> "Bill Mathias" <bill25@sc.rr.com>,
> "Bret Hoffman" <bret.hoffman@kleinschmidtusa.com>,
> "Charlene Coleman" <cheetahrk@yahoo.com>,
> "David Price" <pricedc@dhec.sc.gov>,
> "Dick Christie" <dchristie@infoave.net>,
> "Edward Schnepel" <eschnepel@sc.rr.com>,
> "George Duke" <kayakduke@bellsouth.net>,
> "Gerrit Jobsis \"(American Rivers)\"
<gjjobsis@americanrivers.org>,
> "Jerry Wise" <meddynamic@aol.com>,
> "Jim Devereaux" <jdevereaux@scana.com>,
> "John and Rob Altenberg" <seatowlakemurray@seatow.com>,
> "Karen Kustafik" <kakustafik@columbiasc.net>,
> "Kenneth Fox" <skfox@sc.rr.com>,
> "Lee Barber" <lbarber@sc.rr.com>,
> "Malcolm Leaphart" <malcolml@mailbox.sc.edu>,
> "Mark Leao" <mark_leao@fws.gov>,
> "Mike Waddell" <mwaddel@attglobal.net>,
> "Miriam Atria" <miriam@lakemurraycountry.com>,
> "Norm Nicholson" <larana@mindspring.com>,
> "Norman Ferris" <norm@sc.rr.com>,

> "Patrick Moore" <patrickm@scccl.org>,
> "Randy Mahan" <rmahan@scana.com>,
> "Steve Bell" <bellsteve9339@bellsouth.net>,
> "Suzanne Rhodes" <suzrhodes@juno.com>,
> "Tom Eppink" <teppink@scana.com>
> Subject: RE: 02-14-06 Draft Meeting Notes - Saftey RCG - Saluda Hydro
>
> Dave and others,
>
> FYI - I have attached the draft mtg notes of the Feb 14 Safety RCG mtg
> with my suggested changes.
>
> Thanks,
>
> Bill Marshall
>
> _____
>
> From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]
> Sent: Tuesday, February 28, 2006 11:27 AM
> To: Tommy Boozer; Aaron Small; Alan Axson; Alan Stuart; Alison Guth;
> Amanda Hill; Bill Argentieri; Bill Marshall; Bill Mathias; Bret
Hoffman;
> Charlene Coleman; Dave Anderson; David Price; Dick Christie; Edward
> Schnepel; George Duke; Gerrit Jobsis (American Rivers); Jerry Wise;
Jim
> Devereaux; John and Rob Altenberg; Karen Kustafik; Kenneth Fox; Lee
> Barber; Malcolm Leaphart; Mark Leao; Mike Waddell; Miriam Atria; Norm
> Nicholson; Norman Ferris; Patrick Moore; Randy Mahan; Steve Bell;
> Suzanne Rhodes; Tom Eppink
> Subject: 02-14-06 Draft Meeting Notes
>
>
>
> I am resending this to the entire RCG (originally went out yesterday).
> Changes to the notes can only be made by attendees; comments on what
> transpired will be taken from all members.
>
> Here are the draft meeting notes from our Feb. 14 Safety RCG. Please
> have any comments/changes back to me by March 15th.
>
> <<2006-02-14 Meeting Notes - Safety (DRAFT).doc>>
>
>
>

Danielle Fitzpatrick

From: Lee Barber [lbarber@sc.rr.com]
Sent: Wednesday, March 15, 2006 9:50 PM
To: Dave Anderson
Cc: Ken Fox; Bob Keener; Dave Landis; Joy Downs; Mike Murrell; Richard Kidder; Tom Ruple
Subject: Re: Draft On-Site User Questionnaire

Dave

I have seen Steve Bells e-mail re: his recommendation that the public use of buffer zones be put on hold for now. First, I suggest that this decision is your call. Second, I want it made clear that the LMA will demand that this issue be addressed. We (and by we I mean the entire board of directors) are vehemently opposed to Steve's position on this issue. We understand it may be in some sort of FERC reg. but that does not mean we can't present our objections.

When is our next meeting of either the RCG or TWC meeting? Thanks much.

Lee Barber

----- Original Message -----

From: [Dave Anderson](#)
To: [Van Hoffman](#) ; [Dave Anderson](#) ; [David Hancock](#) ; [Dick Christie](#) ; [George Duke](#) ; [Lee Barber](#) ; [Malcolm Leaphart](#) ; [Patrick Moore](#) ; [Steve Bell](#) ; [Tim Vinson](#) ; [Tommy Boozer](#) ; [Tony Bebbler](#)
Sent: Tuesday, March 14, 2006 5:09 PM
Subject: Draft On-Site User Questionnaire

Here is a draft survey to be used at SCE&G recreation sites. I would like to collect comments on this during Friday's call. Right now, we are thinking an on-site self-administered questionnaire (hand out clipboards and let recreationists fill them out), but are open to other suggestions.

Some of these questions we have to have to estimate use for the sites; others are for information collection only. I am trying to keep the number of questions to around 25 so the questionnaire can be completed in about 5 minutes (someone may want to test this without looking at the questionnaire first--just open it and mentally complete it, or print it out and fill it in).

Any questions?

<<Public Access Survey Draft.doc>>

Danielle Fitzpatrick

From: Dave Anderson
Sent: Wednesday, March 22, 2006 5:41 PM
To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Bebbler
Cc: Alan Stuart; 'Bill Argentieri'
Subject: Agenda for Friday and Docs to Review

Please remember that we have a conference call scheduled for 9:30 am EST on Friday, March 24. In order to call in, dial 1-800-504-8071 and then punch in the access code 2179162 followed by the # sign.

Here is the agenda:

- 9:30 - 10:00 Review and Finalize SCE&G Public Site Inventory Form (attached)
- 10:00 - 10:30 Review Public Access Site Questionnaire (attached)
- 10:30 - 11:00 Discussion of Recreation Site Assessment Schedule
- 11:00 - 11:15 Schedule Next Meeting and Moving Forward

As you are probably aware, we were not able to distribute a draft study plan for the group's review. We have been working diligently and hope to have a draft available for review next week. Considering the tasks we have in order to get the study plan in place (hiring clerks and training, pre-test questionnaire, site inventory), we will not be able to start the study on April 1. I would like to discuss what we may be missing by not including April in the sampling frame, and hear comments on starting the counts and interviews on Memorial Day (May 29).

If anyone has anything else they would like to add to the agenda, please let me know.



SCE&G Public Site
Inventory Fo...



Public Access Site
Questionnai...

Danielle Fitzpatrick

From: Dave Anderson
Sent: Wednesday, March 22, 2006 11:15 AM
To: Van Hoffman; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Bill Marshall; Charlene Coleman; Charlie Rentz; Dave Anderson; David Hancock; Dick Christie; George Duke; Gerrit Jobsis (American Rivers); Guy Jones; Irvin Pitts (ipitts@scprt.com); James Smith; Jeff Duncan; Jennifer O'Rourke; Jennifer Summerlin; Jim Devereaux; JoAnn Butler; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Kelly Maloney; Larry Michalec; Larry Turner (turnerle@dhec.sc.gov); Lee Barber; Malcolm Leaphart; Mark Leao; Marty Phillips; Mike Waddell; Miriam Atria; Norman Ferris; Patricia Wendling; Patrick Moore; Ralph Crafton; Randy Mahan; Richard Mikell; Stanley Yalicki; Steve Bell; Suzanne Rhodes; Tim Flach; Tim Vinson; Tom Brooks; Tommy Boozer; Tony Bebber
Subject: Final 03-01-2006 Downstream Flow TWC Meeting Notes

Here are the final meeting notes.



2006-03-01 DFTWC
Meeting Notes...

SCE&G Public Site Inventory Form

Inspected by: _____

Date: _____

Site Name: _____

Site Code: _____

Site Address: _____

City: _____

State: _____

Zip Code: _____

Facility Type:

____ Primitive Camp

____ Picnic Area

____ Day Use

____ Overlook Site

____ Informal Site

____ Launch Ramp

Road Access:

____ Paved access..... # of lanes

____ Unpaved access..... # of lanes

Operations:

____ Manned

____ Seasonal (From ____ To ____)

____ Unmanned

____ Year Round

____ Fee (\$)..... (Site ____; Parking: ____)

Site Amenities:

#	Type	#	Type
____	Picnic Tables	____	Potable Water
____	Grills	____	Boat Fuel
____	Firepit/ring	____	Trash Cans
____	Boat Pump Out	____	Docks
____	Trails (specify use _____: Miles _____)	____	Playground
____	Shelter	____	Showers
____	Designated Swim Area	____	Concession
____	Store	____	Marina (# of slips _____)
____	Dumping Station		

Parking Lots:

Type	Estimated # Paved	Estimated # Gravel	
ADA Spaces	_____	_____	_____ Spaces delineated?
Regular Spaces	_____	_____	_____ Curbs?
Vehicle & trailer spaces	_____	_____	

Sanitation Facilities:

	Flush	(ADA?)	Portable	(ADA?)	Showers	(ADA?)
Unisex	_____	(_____)	_____	(_____)	_____	(_____)
Women	_____	(_____)	_____	(_____)	_____	(_____)
Men	_____	(_____)	_____	(_____)	_____	(_____)

Campground/Campsite:

	RV sites	Cabins	Tent sites	Primitive sites
# of sites	_____	_____	_____	_____
On site parking	_____	_____	_____	_____
Water front	_____	_____	_____	_____
ADA compliant	_____	_____	_____	_____

Boat Launch Facilities:

_____ Hard surface	_____ Unimproved	_____ # of Lanes
_____ Gravel	_____ Carry In	_____ Boat Prep Area?

Courtesy/Fishing Docks:

Courtesy/Fishing	Dimensions	ADA Compliant
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Notes: _____

Picture Number From _____ To _____

DRAFT

Danielle Fitzpatrick

From: Dave Anderson
Sent: Wednesday, March 29, 2006 5:36 PM
To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Bebbler
Subject: ADA Assessment

I have contacted the South Carolina Vocational Rehabilitation Department and they do not perform ADA assessments. I was given the number to the Building Code Licensure Board and spoke to Gary Wiggins. At one time they performed this service, but don't do it anymore due to budgetary constraints. Gary did provide me with a couple of interesting links about building codes and accessibility:

The South Carolina Building Codes Council: <http://www.llr.state.sc.us/POL/BCC/>

Adopted Building Codes: http://www.llr.state.sc.us/POL/BCC/index.asp?file=GENERAL_CodeView.htm

Building Accessibility Program: http://www.llr.state.sc.us/POL/BCC/index.asp?file=PROGRAM_BAP.htm

Since we can't find a government service to provide the assessment, I am suggesting that, as part of the facility inventory, we qualitatively assess SCE&G public sites. This would involve common sense observations as to whether a site, or components of a site, are accessible. If, after this qualitative assessment is completed, we propose to bring some sites under ADA compliance, we (Kleinschmidt) have the expertise to make specific engineering recommendations for those sites.

Input?

Danielle Fitzpatrick

From: Tony Bebber [tbebber@scprt.com]
Sent: Thursday, March 30, 2006 12:17 PM
To: Dave Anderson; Van Hoffman; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozar
Subject: RE: ADA Assessment

Though you may not find much new information, you may also want to review the following (I haven't reviewed all these either):

[National Center for Accessibility](http://www.ncaonline.org/tech/) has technical assistance information for beaches, boating/fishing, general accessibility, outdoor developed areas, playgrounds, trails, and other recreation information.
<http://www.ncaonline.org/tech/>

[Recreation Regulatory Negotiation Committee - Final Report](#) This section of the preamble contains a summary of the proposed **accessibility** guidelines for trails, **outdoor recreation** access routes, beach access routes, ...
www.access-board.gov/outdoor/outdoor-rec-rpt.htm - 192k

[USDA Forest Service Accessibility](#) Forest Service **Outdoor Recreation Accessibility** Guidelines. Forest Service **accessibility** guidelines are being developed to provide guidance for the agency ...
www.fs.fed.us/recreation/programs/accessibility/ - 25k

I suggest that an Inventory of Accessibility be included in the study plan. Dave suggested it be included as part of the facility inventory and I think that makes sense (whichever contractual service does it). It was interesting in the LLR website that Dave provided access to, that "recent settlements" included Florence County being required to do a quite extensive survey of all county facilities.

Tony Bebber, AICP
Planning Manager
South Carolina Dept. of Parks,
Recreation & Tourism
1205 Pendleton Street
Columbia, SC 29201
803-734-0189
803-734-1042 fax
tbebber@scprt.com
websites: www.discoverouthcarolina.com
www.SouthCarolinaParks.com
www.SCTrails.net

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From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]
Sent: Wednesday, March 29, 2006 4:36 PM
To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozar; Tony Bebber

Subject: ADA Assessment

I have contacted the South Carolina Vocational Rehabilitation Department and they do not perform ADA assessments. I was given the number to the Building Code Licensure Board and spoke to Gary Wiggins. At one time they performed this service, but don't do it anymore due to budgetary constraints. Gary did provide me with a couple of interesting links about building codes and accessibility:

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Building Accessibility Program: http://www.llr.state.sc.us/POL/BCC/index.asp?file=PROGRAM_BAP.htm

Since we can't find a government service to provide the assessment, I am suggesting that, as part of the facility inventory, we qualitatively assess SCE&G public sites. This would involve common sense observations as to whether a site, or components of a site, are accessible. If, after this qualitative assessment is completed, we propose to bring some sites under ADA compliance, we (Kleinschmidt) have the expertise to make specific engineering recommendations for those sites.

Input?

Cheryl Balitz

From: Alison Guth
Sent: Friday, March 31, 2006 12:12 PM
To: 'Gina Kirkland'
Subject: RE: listing of different committees



RCG flow chart.doc
(39 KB)

Hello Gina,

Sorry I am just now getting back to you. I have attached a flowchart to show you the break down of the committees. For your planning purposes, it looks like under the Fisheries and Wildlife RCG the RT&E, Mussels & Inverts, and Terrestrial TWCs have been meeting on one day. Thanks and hope you have a good weekend. Alison

-----Original Message-----

From: Gina Kirkland [mailto:KIRKLAGL@dhec.sc.gov]
Sent: Monday, March 27, 2006 4:06 PM
To: Alison.Guth@KleinschmidtUSA.com
Subject: Re: listing of different committees

Alison,

Please do me a favor and send me a listing of the resource groups and their technical committees. I need it for work. We are attempting to "parcel" the workload and it would be very helpful to have all of the different committees and subcommittees listed. Thanks!!!!!!!!!!

Gina

Saluda Hydro Relicensing RCG's and their respective TWC's

Operations RCG

Operations TWC

Cultural RCG

Lake and Land Management RCG

Lake & Land Mgt TWC

Fish and Wildlife RCG

IFIM/Aquatic Habitat TWC

Diadromous Fish TWC

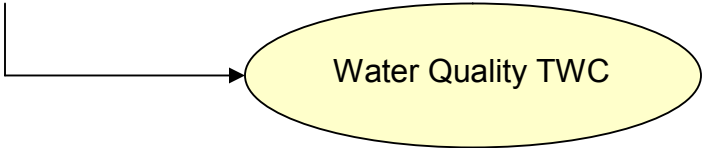
Terrestrial TWC

RT&E Species TWC

Fish Entrainment TWC

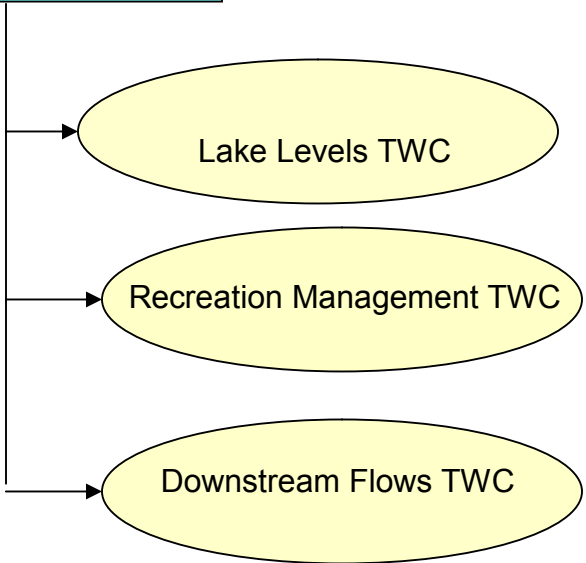
Mussels & Invertebrates TWC

Water Quality RCG



Safety RCG

Recreation RCG



Danielle Fitzpatrick

From: Tim Vinson [VinsonT@dnr.sc.gov]
Sent: Monday, April 03, 2006 9:14 AM
To: Dave Anderson
Subject: RE: ADA Assessment

Just remember, building codes don't always apply to water rec facilities at certain locations of cases.

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]
Sent: Wednesday, March 29, 2006 4:36 PM
To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Beber
Subject: ADA Assessment

I have contacted the South Carolina Vocational Rehabilitation Department and they do not perform ADA assessments. I was given the number to the Building Code Licensure Board and spoke to Gary Wiggins. At one time they performed this service, but don't do it anymore due to budgetary constraints. Gary did provide me with a couple of interesting links about building codes and accessibility:

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Adopted Building Codes: http://www.llr.state.sc.us/POL/BCC/index.asp?file=GENERAL_CodeView.htm

Building Accessibility Program: http://www.llr.state.sc.us/POL/BCC/index.asp?file=PROGRAM_BAP.htm

Since we can't find a government service to provide the assessment, I am suggesting that, as part of the facility inventory, we qualitatively assess SCE&G public sites. This would involve common sense observations as to whether a site, or components of a site, are accessible. If, after this qualitative assessment is completed, we propose to bring some sites under ADA compliance, we (Kleinschmidt) have the expertise to make specific engineering recommendations for those sites.

Input?

Danielle Fitzpatrick

From: Patrick Moore [PatrickM@sccl.org]
Sent: Wednesday, April 05, 2006 12:38 PM
To: Dave Anderson
Subject: RE: Recreation Site Questionnaires

Hey Dave,

I have been thinking about Mill Race and excluding it from interviews and I think we need on site interviews at Mill Race. Mostly because it is were more than 50% of the access takes place, where most of the accidents take place, and where the greatest variety of recreation goes on.

I don't know exactly how to move forward here but I wanted to let you know that many of us feel this way and will probably request it at some point. I am sorry I did not catch it sooner and will do anything to help that I can.

I am attaching a copy of the hot-off-the-press REC flow study from HRC and NPS.

Patrick Moore
Water Quality Associate
Coastal Conservation League
1207 Lincoln St. Suite 203-C
Columbia, S.C. 29201
803.771.7102

-----Original Message-----

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]

Sent: Monday, April 03, 2006 4:19 PM

To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Bebbber

Subject: Recreation Site Questionnaires

As promised earlier, here are the latest drafts of the questionnaires for the lake and river. We can talk about these on Friday; if you aren't able to make it on Friday, please submit any comments via email and/or phone. Also, I have included the map we are planning on using for the lake questionnaire to estimate where people are going on the water. These segments correspond to the segments used in the boat counts (the Berger study), but are broken up into smaller segments (there are a number of smaller segments that make up one of the segments in the Berger study).

<<Public Access Site Questionnaire LSR (04-03-06).doc>> <<Public Access Site Questionnaire (04-03-06).doc>> <<Recreation Areas.pdf>>

Danielle Fitzpatrick

From: C Coleman [cheetahtrk@yahoo.com]
Sent: Thursday, March 09, 2006 12:46 PM
To: Dave Anderson; Tony Beber; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; Bill Marshall; Charlie Rentz; Dave Anderson; David Hancock; Dick Christie; George Duke; Gerrit Jobsis (American Rivers); Guy Jones; Irvin Pitts (ipitts@scprt.com); James Smith; Jeff Duncan; Jennifer Summerlin; JoAnn Butler; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Larry Michalec; Lee Barber; Malcolm Leaphart; Mark Leao; Marty Phillips; Mike Waddell; Miriam Atria; Norman Ferris; Patricia Wendling; Patrick Moore; Ralph Crafton; RMAHAN@scana.com; Richard Mikell; Stanley Yalicki; Steve Bell; Suzanne Rhodes; Tim Flach; Tim Vinson; Tom Brooks; Tommy Boozer
Subject: Re: Downstream Flows TWC Draft Meeting Notes

seems ok to me

here's your list

user flow levels to follow.
Charlene

Dave Anderson <Dave.Anderson@KleinschmidtUSA.com> wrote:

Here are the draft meeting notes for the Downstream Flows TWC, which met last Wednesday. Don't forget that only those people in attendance can edit the content of the meeting notes; other RCG members may comment on the topics discussed.
Please have any comments/edits back to me by March 20th.
<<2006-03-01 DFTWC Meeting Notes (DRAFT).doc>>

Learn to get in touch with the silence within yourself and know that everything in this life has a purpose.
- Elizabeth Kubler-Ross

Yahoo! Mail
Bring photos to life! [New PhotoMail](#) makes sharing a breeze.

RIVER USERS

Original list 3/7/06

Swimmers

- Children & teenagers on the river banks
- people at access areas
- rock people
- educational groups and clubs

Tubers

Fishermen

- bank
 - trout
 - food—people that actually fish to feed their families
 - bass and other
 - father and son type outings to learn to fish
 - scouts and other clubs, groups
- boat
 - trout
 - trophy bass
 - recreational
 - food
 - business (Oriental group that fishes near bridges)
- wade
 - trout
 - children w/ parents

Charity groups

- canoe, raft, sit on tops, etc

Social groups

Clubs

Educational groups

- schools and university
- Scouts
- club field trips

Outdoor clubs

Hikers

Mountain bikers

Kayakers and canoeists—(skilled)

Recreational boaters (rental and less skilled)

4X4 clubs

Zoo visitors

Rescue Training

Kayak and Canoe classes

US team boaters practicing (Olympic and world team level)

Bird watchers

Nature lovers

Danielle Fitzpatrick

From: Tim Vinson [VinsonT@dnr.sc.gov]
Sent: Wednesday, April 05, 2006 9:54 AM
To: Dave Anderson
Subject: Meeting and phone call

Hey Dave,

Just wanted to drop a line to you and let you know that I wont be able to do the phone call Friday. I will be out in the field and in the water.

The surveys look good to me.

The only thing I have gotten out of LE down in Charleston is there were 43 events in Lexington County and 18 events in Newberry County in the year 2004.

He sent me an email this last week and stated there were 34 or 36 events in the year 2005. Not sure what this number is. May have to get down there an look for what is needed.

Take care, Tim.

Danielle Fitzpatrick

From: Patrick Moore [PatrickM@scccl.org]
Sent: Wednesday, April 05, 2006 12:47 PM
To: Dave Anderson
Subject: RE: Recreation Site Questionnaires

The LSR questionnaire looks good.

My only addition is "Have you ever been on the river when the siren sounds?" and "What happened after the siren sounded"

This would give us an idea of people's reactions. Again, upon further reflection, this questionnaire needs to go out at Mill Race as well.

Patrick Moore
Water Quality Associate
Coastal Conservation League
1207 Lincoln St. Suite 203-C
Columbia, S.C. 29201
803.771.7102

-----Original Message-----

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]
Sent: Monday, April 03, 2006 4:19 PM
To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Bebbber
Subject: Recreation Site Questionnaires

As promised earlier, here are the latest drafts of the questionnaires for the lake and river. We can talk about these on Friday; if you aren't able to make it on Friday, please submit any comments via email and/or phone. Also, I have included the map we are planning on using for the lake questionnaire to estimate where people are going on the water. These segments correspond to the segments used in the boat counts (the Berger study), but are broken up into smaller segments (there are a number of smaller segments that make up one of the segments in the Berger study).

<<Public Access Site Questionnaire LSR (04-03-06).doc>> <<Public Access Site Questionnaire (04-03-06).doc>> <<Recreation Areas.pdf>>

Danielle Fitzpatrick

From: Tony Bebber [tbebber@scprt.com]
Sent: Friday, April 21, 2006 4:01 PM
To: Marty Phillips
Cc: Dave Anderson
Subject: RE: Dreyer Island State Park Contact

Yes, Dreher Island contact is Ashley Berry, Park Manager, at 803-364-4152, dreherisland@scprt.com. Let him know that it is part of the Re-licensing project.

Also, I talked to someone here in the office about what data you may expect the park to have available. They will have numbers for entrance to the park, numbers for camping and cabins, and numbers for picnic shelter use (fee) but not general picnicking. They don't charge for boat ramps so may not have a good number for that. They may be able to estimate fishing, hiking, swimming, or other usage – but it will be a wild guess. Day use info will be more limited than camping/cabin use.

Good luck.

Tony Bebber, AICP
Planning Manager
South Carolina Dept. of Parks,
Recreation & Tourism
1205 Pendleton Street
Columbia, SC 29201
803-734-0189
803-734-1042 fax
tbebber@scprt.com
websites: www.discoveringsouthcarolina.com
www.SouthCarolinaParks.com
www.SCTrails.net

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From: Marty Phillips [mailto:Marty.Phillips@KleinschmidtUSA.com]
Sent: Friday, April 21, 2006 11:46 AM
To: Tony Bebber
Cc: Dave Anderson
Subject: Dreyer Island State Park Contact

Tony,

Soon we will need to contact a park manager at Dreyer Island State Park. We need to coordinate our site inventory and survey efforts with him/her. Do you have a contact name of someone who we could call to talk with?

Marty

*Marty Phillips
Kleinschmidt Associates
75 Main Street P.O. Box 576*

11/8/2007

*Pittsfield, ME 04967
phone: (207) 487-3328
fax: (207) 487-3124*

Danielle Fitzpatrick

From: Malcolm Leaphart [malcolml@mailbox.sc.edu]
Sent: Friday, April 21, 2006 4:51 PM
To: Dave Anderson
Cc: Van Hoffman; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; Bill Marshall; Charlene Coleman; Charlie Rentz; Dave Anderson; David Hancock; Dick Christie; George Duke; Gerrit Jobsis (American Rivers); Guy Jones; Irvin Pitts (ipitts@scprt.com); Jeff Duncan; Jennifer O'Rourke; Jennifer Summerlin; Jim Devereaux; JoAnn Butler; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Kelly Maloney; Larry Michalec; Larry Turner (turnerle@dhec.sc.gov); Lee Barber; Mark Leao; Marty Phillips; Mike Waddell; Miriam Atria; Norman Ferris; Patricia Wendling; Patrick Moore; Ralph Crafton; RMAHAN@scana.com; Richard Mikell; Stanley Yalicki; Steve Bell; Suzanne Rhodes; Tim Flach; Tim Vinson; Tom Brooks; Tommy Boozer; Tony Bebbber
Subject: Re: Draft Recreation RCG Work Plan {SpamScore: sss}

Dave,

I have included at the bottom of this email specific issues that need to be added to the Recreation Work Plan under IDENTIFIED ISSUES. This list is a followup to your request at the meeting April to provide issues that have not been documented to date. As I commented to you in my notes before the April 17 Recreation RCG meeting, identifying issues and noting clearly whether they pertain to the river and/or the lake is very important. All of these issues have been raised previously by many, including Trout Unlimited, the SC DNR Lower Saluda River Advisory Council, and SC State Parks, in published documents or correspondence such as the ICD comments last August, and are not new, and are well thought and developed by broad consensus over time. I'm sure all the stakeholders will look forward to discussing each of these and others that I have not included at the appropriate time in the process as you explained in your April 11 email. Would appreciate you adding these to the Recreation Work Plan before the next distribution, and also clarifying IDENTIFIED ISSUES by adding FOR LAKE MURRAY AND THE LOWER SALUDA RIVER after that section heading.

Also, here is the 'vision statement' you requested for Recreation:

Recreational opportunities for Lake Murray and the lower Saluda River over the next 30 to 50 years of the pending new FERC license for SCE&G should incorporate the following attributes:

-- Recreational sites access areas on the lake and the river should be adequate to allow for the continued rapid population growth in the midlands over the term of the new license based on surveys of the public and input from the stakeholders and public.

-- Sites should be spaced around the lake and along the river corridor to provide legal public access to the different geographic sections of both.

-- Uncrowded conditions should be available most of the time at the sites, with natural viewsapes and provisions for most of the current and anticipated popular recreational activities incorporated into the overall provisions.

-- Patrols and/or assistance for emergencies should be provided, though not necessarily manned, such as adequate phone boxes.

-- Safe recreational opportunities should be available for boaters on the lake with adequate lake levels for the navigational markers, and on the river with release levels that are not life-threatening to the average person.

-- The recommendations of the Lower Saluda Scenic River Advisory Council should be implemented to reflect the broad community-based consensus for river access, with consideration of additional river access to areas where trespassing is now the only way to enter an area.

'IDENTIFIED ISSUES FOR LAKE MURRAY AND THE LOWER SALUDA RIVER' for the Recreation RCG Work Plan:

-- A riverfront greenway trail is wanted by the community as expoused by the River Alliance. Assistance by SCE&G will in making this trail a reality will also help by opening up many areas of the river now only reached by boat, or by trespassing. The River Alliance has proposed a trail to extend up the north shore of the Saluda from the Riverbanks Zoo to I26. Continuation of the trail to Saluda Shoals, connecting the Gardendale site and an additional access area between I20 and I26 is also envisioned by the LSRAC and Saluda Shoals. Also, there is no legal access except by boat to the stretch of river upstream of the rapids above Saluda Shoals which should be remedied with a riverfront trail connection if possible, or through sepearate access. The trail should parallel the river and not disturb the scenic integrity of the riverbank, but should allow for sufficient viewsapes and even water access by foot, especially to the popular, shallower riffle areas.

-- consideration of a boat ramp for small trailered boats at Gardendale or further downstream, but above I26, to allow safer upstream motoring towards Hopes Ferry. Many boaters have carried in their heavy rigs for years at the Gardendale 'throw-in' to be able to more safely boat the Saluda.

-- public access with parking and trails on the Lexington (south) side such as the public park at the confluence of 12 Mile Creek and the Saluda River proposed in the Corridor Plan by SC PRT and the SC DNR (Lower Saluda River Advisory Council).

-- safe recreational oppourtunities should be available on the Saluda below the lake through daily flow release schedules, and with release rates deemed to be not life threatening through a controlled study using river experts and stakeholders.

Quoting Malcolm Leaphart <malcolml@mailbox.sc.edu>:

Dave, Thanks for sending out the work plan this afternoon. The Identified Issues need clarification. For example, I assume that all that you have listed apply to both the lake and lower Saluda River unless specifically noted as only for one - as the first two items are (Mill Race and reservoir)? If that is correct would you please make the following change - expand "the need for better public access" to "the need for better public access for Lake Murray and the lower Saluda River". Or as an alternative approach we can discuss and clearly indicate for each issue whether it applies to the lake or river or both... I also note that the specific suggested access sites I sent to you previously for the lower Saluda River are not included in the RCG Identified Issues. That is okay as long as we address each of those and additional ones as raised in the Recreation Management TWC at the appropriate time. Also, the overall process should be issue driven and more information should be tracked for each. For example, who raises an issue, the pros and cons identified for each, etc... Will that be done in the appropriate committee, or should the documentatiion for the RCG expanded? The goal should be make sure there is a clear 'audit trail' for each issue raised and its dispoition during the process, right? Will be offline until the meeting Monday. Look forward to discussing these points then. Thanks and best wishes over the Easter weekend.

Quoting Dave Anderson <Dave.Anderson@KleinschmidtUSA.com>:

Here is the draft work plan for the Recreation RCG that we will be discussing on Monday. See you then!

Draft Recreation RCG Work Plan.doc>>

Danielle Fitzpatrick

From: Patrick Moore [PatrickM@scccl.org]
Sent: Wednesday, April 19, 2006 11:08 AM
To: EPPINK, THOMAS G; Dave Anderson
Cc: Jennifer Summerlin
Subject: Study Contact

I forgot to include the contact info for Bunny Johns:

bunnyjohns@yahoo.com
828.488.8539

She helped design and conduct the C-W study and works at the Nantahala Outdoor Center.

Patrick Moore
Water Quality Associate
Coastal Conservation League
1207 Lincoln St. Suite 203-C
Columbia, S.C. 29201
803.771.7750

-----Original Message-----

From: EPPINK, THOMAS G [mailto:TEPPINK@scana.com]
Sent: Wednesday, April 19, 2006 10:15 AM
To: Kustafik, Karen; Patrick Moore; Dave Anderson; Malcolm Leaphart
Cc: C Coleman; Bill Marshall; Guy Jones; Jennifer Summerlin
Subject: RE: Downstream Flows TWC Meeting?

I don't disagree and would repeat my comment that while a recreation study is best done by survey, safety issues are best addressed by observation, empirical data, and expert input and analysis. I don't think Karen gives herself enough credit - I think what an expert such as she is in her area has to say is far more than mere anecdote.

-----Original Message-----

From: Kustafik, Karen [mailto:kakustafik@columbiasc.net]
Sent: Tuesday, April 18, 2006 4:45 PM
To: 'Patrick Moore'; Dave Anderson; Malcolm Leaphart
Cc: C Coleman; EPPINK, THOMAS G; Bill Marshall; Guy Jones; Jennifer Summerlin
Subject: RE: Downstream Flows TWC Meeting?

Agree with Patrick on his edits/comments.

While the anecdotal experience regarding level that many of us bring to the process is valuable, Patrick's concern about gathering more objective information, especially as it relates to casual river users who are not involved in this process, has merit.

Appreciate hearing us out. KAK

-----Original Message-----

From: Patrick Moore [mailto:PatrickM@scccl.org]
Sent: Tuesday, April 18, 2006 4:04 PM
To: Dave Anderson; Malcolm Leaphart
Cc: C Coleman; EPPINK, THOMAS G; Bill Marshall; Guy Jones; Jennifer Summerlin; Kustafik, Karen
Subject: RE: Downstream Flows TWC Meeting?

Hey Dave,
That captures it pretty well, only a couple changes,

1) understanding the "rate of change" of the river at various flows at various river reaches

2) an analysis of different flows for various user groups and skill levels that provide the safest conditions. We discussed coming up with parameters for safest, like when folks feel compelled to get off the river based on rate of change, etc.

Thanks for helping craft this,

Patrick Moore
Water Quality Associate
Coastal Conservation League
1207 Lincoln St. Suite 203-C
Columbia, S.C. 29201
803.771.7750

-----Original Message-----

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]
Sent: Tuesday, April 18, 2006 3:49 PM
To: Malcolm Leaphart; Dave Anderson
Cc: C Coleman; Dave Anderson; EPPINK, THOMAS G; Bill Marshall; Guy Jones; Jennifer Summerlin; Karen Kustafik; Patrick Moore
Subject: RE: Downstream Flows TWC Meeting?

We had an informal meeting today after the Safety RCG to talk about a flow study. We reached agreement on providing a draft study plan with the goals of:

- 1) understanding the "rate of change" of the river at various flows
- 2) an analysis of different flows for various user groups that provide the safest conditions

I think I captured that right; Jennifer Summerlin took notes for us and can correct me if I am wrong. Another employee at Kleinschmidt (Kelly Maloney) will be providing us with a draft study plan to begin discussions. She is an experienced whitewater rafter and has more experience with flow studies than I do.

If you have any questions, feel free to contact any of the TWC members for answers. Mike Waddell sat in on it too and hopefully provided the same perspective that you would have.

I will be back in town in two weeks if we want to go ahead and schedule a meeting for May 3, 4, or 5. Kelly will be here also, and I have asked her if we can at least have a "straw man" to look at that week.

-----Original Message-----

From: Malcolm Leaphart [mailto:malcolml@mailbox.sc.edu]
Sent: Tuesday, April 18, 2006 8:36 AM
To: Dave Anderson
Cc: C Coleman; Dave Anderson; EPPINK, THOMAS G; Bill Marshall; Guy Jones; Jennifer Summerlin; Karen Kustafik; Patrick Moore
Subject: RE: Downstream Flows TWC Meeting?

I encourage a face to face ASAP also. The 5:00 pm time frame for a weekday works great, as does a downtown location. Maybe Bill Marshall will host again as he offered for this week too, and we can work around his schedule for the

earliest available day?? Give us some dates, Bill... Thanks.

Quoting Dave Anderson <Dave.Anderson@KleinschmidtUSA.com>:

> I know Karen couldn't make it; Tom informed me there would not be a
> meeting--I think he and Bill talked about it. Pretty much any time
> next week works for me (for a call).

>

> -----Original Message-----

> From: C Coleman [mailto:cheetahtrk@yahoo.com]

> Sent: Monday, April 17, 2006 6:02 PM
> To: Dave Anderson; EPPINK, THOMAS G; Bill Marshall; Guy Jones;
> Jennifer Summerlin; Karen Kustafik; Malcolm Leaphart; Patrick Moore
> Subject: RE: Downstream Flows TWC Meeting?
>
>
> gee Dave in my life Wed is ASAP
> i believe we should all be there tomorrow
>
>
> Dave Anderson <Dave.Anderson@KleinschmidtUSA.com> wrote:
>
> Just so we are all on the same page, there will NOT be a meeting on
> Wednesday night. We need to schedule a meeting ASAP to talk about our
> working document and Patrick's request for a recreational flow study.
>
> -----Original Message-----
> From: EPPINK, THOMAS G [mailto:TEPPINK@scana.com]
> Sent: Monday, April 17, 2006 7:54 AM
> To: Bill Marshall; Dave Anderson; Charlene Coleman; Guy Jones;
> Jennifer Summerlin; Karen Kustafik; Malcolm Leaphart; Patrick Moore
> Subject: RE: Downstream Flows TWC Meeting?
>
>
> Can do.
>
> -----Original Message-----
> From: Bill Marshall [mailto:MarshallB@dnr.sc.gov
> <mailto:MarshallB@dnr.sc.gov>]
> Sent: Fri Apr 14 11:49:55 2006
> To: Dave Anderson; EPPINK, THOMAS G; Charlene Coleman; Guy Jones;
> Jennifer Summerlin; Karen Kustafik; Malcolm Leaphart; Patrick Moore
> Subject: RE: Downstream Flows TWC Meeting?
>
> We can meet at the DNR offices again on Wednesday at 5:00 or so, if
> that works for others. We know Karen cannot make Wednesday, haven't
> heard from others yet.
>
> Bill
>
> _____
>
> From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com
> <mailto:Dave.Anderson@KleinschmidtUSA.com>]
> Sent: Wednesday, April 12, 2006 4:47 PM
> To: EPPINK, THOMAS G; Bill Marshall; Dave Anderson; Charlene Coleman;
> Guy Jones; Jennifer Summerlin; Karen Kustafik; Malcolm Leaphart;
> Patrick Moore
> Subject: RE: Downstream Flows TWC Meeting?
>
>
> I already have a Recreation Management TWC meeting after the RCG
> meeting on Monday but Tuesday would work. I am sure Malcolm and
> others would still prefer an evening session because of work
> constraints.
>
> Wednesday evening works for me too.
>
> -----Original Message-----
> From: EPPINK, THOMAS G [mailto:TEPPINK@scana.com
> <mailto:TEPPINK@scana.com>]
> Sent: Wednesday, April 12, 2006 2:08 PM
> To: Bill Marshall; Dave Anderson; Charlene Coleman; Guy Jones;
> Jennifer Summerlin; Karen Kustafik; Malcolm Leaphart; Patrick Moore
> Subject: RE: Downstream Flows TWC Meeting?
>
>

>
> Might it be more time efficient to meet after one of the RCG
> meetings Monday or Tuesday?

>
>
>
>
>
> _____

>
> From: Bill Marshall [mailto:MarshallB@dnr.sc.gov
> <mailto:MarshallB@dnr.sc.gov>]
> Sent: Wednesday, April 12, 2006 3:02 PM
> To: Dave Anderson; EPPINK, THOMAS G; Charlene Coleman; Guy
> Jones; Jennifer Summerlin; Karen Kustafik; Malcolm Leaphart; Patrick
> Moore
> Subject: RE: Downstream Flows TWC Meeting?

>
> Friends, I am available to meet next Wednesday if others want
> to so so.

> Also, I took a stab at adding information (and guesstimation)
> to the working document/list that Dave adapted from Charlene. See
> attachment.

>
>
> Bill

>
> _____
>
> From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com
> <mailto:Dave.Anderson@KleinschmidtUSA.com>]
> Sent: Tuesday, April 11, 2006 3:56 PM
> To: Tom Eppink; Bill Marshall; Charlene Coleman; Dave
> Anderson; Guy Jones; Jennifer Summerlin; Karen Kustafik; Malcolm
> Leaphart; Patrick Moore
> Subject: Downstream Flows TWC Meeting?

> I haven't seen much communication between this group regarding
> our "Downstream Flows Working Document". I will be in town next week
> and am free on Wednesday, or in the evenings if y'all want to get
> together and chat. Let me know and I will plan something.

> As an update, I haven't received the Instream Flows DVD. I
> talked to someone at the Rivers Alliance and they indicated they
> wanted to make sure we got a working copy, but I haven't heard
> anything since then. I'll double check and let everyone know what I
> find out.

> Dave

>
> Learn to get in touch with the silence within yourself and know that
> everything in this life has a purpose.
> - Elizabeth Kubler-Ross

Danielle Fitzpatrick

From: Marty Phillips
Sent: Tuesday, May 16, 2006 11:22 AM
To: 'larana@mindspring.com'
Cc: 'tboozier@scana.com'; Alan Stuart; Kelly Maloney; Dave Anderson
Subject: Law Enforcement Information Letter



001-Police Dept Ltr
5-16-06.pd...

Norm,

Thank you again for offering to distribute this letter for us. I appreciate you help.

Most of the individuals copied on the letter are copied via this email. There are a couple who will receive a hard copy.

If you have any questions at all, please feel free to call me at any time.

Sincerely,
Marty Phillips

*Kleinschmidt Associates
75 Main Street P.O. Box 576
Pittsfield, ME 04967
phone: (207) 487-3328
fax: (207) 487-3124*

May 16, 2006

VIA E-MAIL

Mr. Norm Nicholson
Lexington County Sheriff's Department
521 Gibson Road
Lexington, SC 29072

SCE&G Recreation Site Assessment

Dear Mr. Nicholson:

It was nice to talk with you last Friday about our recreation study. Thank you for offering to assist us in alerting local law enforcement agencies about our efforts. In addition to Lexington County, we are interested in distributing this information to the Sheriff's offices in Saluda, Newberry and Richland Counties, as well as the City of Columbia Police Department. Below is a description of what we will be doing in the field this year. We will also alert the SC Department of Natural Resources by copy of this letter, as I understand they also patrol recreation sites that we will be monitoring.

Kleinschmidt Associates will be conducting recreational use counts and on-site interviews of recreation site users at Lake Murray and the Lower Saluda River for South Carolina Electric & Gas as part of a scientific study associated with the Saluda Hydroelectric Project. We wanted to let you know as a courtesy that we will be counting and interviewing users at select recreation areas on the lake and river between May 2006 and September 2006. Attached is a list of the recreation sites we will visit.

On one to two days each week, a survey clerk will visit the recreation sites provided in the attached list to count the number of vehicles and boat trailers at each recreation site, as well as conduct interviews with individuals exiting the site. Counts and surveys will occur on weekdays, weekend days, and some holidays, and may also occur at various times during the day, sometimes early in the morning or late in the evening. Our staff will carry identification at all times.

Mr. Norm Nicholson
May 16, 2006

2.

If you have any questions or comments about the counts, please feel free to contact me at (207) 487-3328 or Tommy Boozer, of SCE&G, at (803) 748-3007. Thank you very much for your time.

Sincerely,

KLEINSCHMIDT ASSOCIATES

A handwritten signature in black ink that reads "Marty Phillips". The signature is written in a cursive style with a large, looping initial "M".

Marty Phillips
Technical Study Lead

Enclosure

MLP:mas

cc: Mr. Tommy Boozer, SCE&G
Mr. Alan Stuart, Kleinschmidt Associates Project Manager
Mr. Dave Anderson, Kleinschmidt Associates
Ms. Kelly Maloney, Kleinschmidt Associates
Captain Harvin Brock, SCDNR Law Enforcement
Mr. Dan Wells, Irmo Chapin Recreation Department

RECREATION SITES TO BE MONITORED

LAKE MURRAY RECREATION SITES (SITE NUMBER)	LOWER SALUDA RIVER RECREATION SITES (SITE NUMBER)
Parksite (1-1)	Gardendale (Saluda River Canoe Portage) (1-15)
Shull Island/Larry Koon (1-2)	Mett's Landing (1-10)
Shull Island (1-2b)	Saluda Shoals Park (1-9)
Murray Shores (1-3)	Mill Race
River Bend (1-4)	Confluence Area
Sunset (1-5)	
Rock Creek (1-6)	
Hilton (1-7)	
Dam (1-8)	
Billy Dreher State Park (1-11)	
Macedonia Church (1-12)	
Higgins Bridge (1-13)	
Kempson Bridge (1-14)	
Bundrick Island (1-21)	
Lake Murray Estates Park (1-22)	

Danielle Fitzpatrick

From: Tim Vinson [VinsonT@dnr.sc.gov]
Sent: Tuesday, May 23, 2006 11:52 AM
To: Dave Anderson
Subject: Saluda FERC Question

Hey Dave,

What is the latest day that you need the regada information on Lake Murray? I have the number for each county for 2004 & 2005, but not location. That will take a trip down to Charleston.

Thanks,
Tim

Danielle Fitzpatrick

From: Bill Marshall [MarshallB@dnr.sc.gov]
Sent: Thursday, June 08, 2006 11:59 AM
To: Dave Anderson
Cc: Dick Christie; Tony Bebbler; Tim Vinson; Malcolm Leaphart; kakustafik@columbiasc.net; Charlene Coleman; Patrick Moore; Steve Bell; Guy Jones; Mike Waddell
Subject: RE: Reminder: Vision Statement and Identified Issues

Dave,

Attached is the Recreation RCG working document with my input in track-changes mode. I went as far as Step 2, Item 8.b (page 11 of attached) and realized I may have gone further than what you wanted; so I stopped there.

Thanks for considering these edits.

Bill Marshall
S.C. Department of Natural Resources
1000 Assembly Street, Suite 354
Columbia, SC 29201
(803) 734-9096
marshallb@dnr.sc.gov

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]
Sent: Wednesday, June 07, 2006 5:05 PM
To: Van Hoffman; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Bill Marshall; Charlene Coleman; Charlie Rentz; Dave Anderson; David Hancock; Dick Christie; George Duke; Gerrit Jobsis (American Rivers); Guy Jones; Irvin Pitts (ipitts@scprt.com); Jeff Duncan; Jennifer O'Rourke; Jennifer Summerlin; Jim Devereaux; JoAnn Butler; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Kelly Maloney; Larry Michalec; Larry Turner (turnerle@dhec.sc.gov); Lee Barber; Malcolm Leaphart; Mark Leao; Marty Phillips; Mike Waddell; Miriam Atria; Norman Ferris; Patricia Wendling; Patrick Moore; Ralph Crafton; Randy Mahan; Richard Mikell; Stanley Yalicki; Steve Bell; Suzanne Rhodes; Tim Flach; Tim Vinson; Tom Brooks; Tommy Boozer; Tony Bebbler
Subject: Reminder: Vision Statement and Identified Issues

Just a quick reminder that I would like to collect comments on the recreation vision statement and the "Identified Issues" section of the Work Plan by next week (Thursday, June 15). At that point I will redistribute the document for final approval.

If you have misplaced your copy of the working document, just let me know.

Recreation Resource Conservation Group

Working Documents

June 8, 2006,

Deleted: May 18, 2006



Recreation Resource Conservation Group Work Plan

DRAFT

Facilitator:		
Dave Anderson	Kleinschmidt Associates	dave.anderson@kleinschmidtusa.com
Members:		
Name	Organization	E-mail
Alan Axson	Columbia Fire Department	cfdwaxson@columbiasc.net
Alan Stuart	KA	alan.stuart@kleinschmidtusa.com
Alison Guth	KA	alison.guth@kleinschmidtusa.com
Amanda Hill	USFWS	amanda_hill@fws.gov
Bill Argentieri	SCE&G	bargentieri@scana.com
Bill Marshall	Lower Saluda Scenic River Advisory Council, DNR	marshallb@dnr.sc.gov
Charlene Coleman	American Whitewater	cheetahrk@yahoo.com
Charles (Charlie) Rentz		flyhotair@greenwood.net
David Hancock	SCE&G	dhancock@scana.com
Dick Christie	SCDNR	dchristie@infoave.net
George Duke	LMHC	kayakduke@bellsouth.net
Gerrit Jobsis	Coastal Conservation League & American Rivers	gerritj@scccl.org; gjobsis@americanrivers.org
Guy Jones	River Runner Outdoor Center	guyjones@sc.rr.com
Irvin Pitts	SCPRT	ipitts@scprt.com
James A. Smith	LMA	bkawasi@sc.rr.com
Jeff Duncan	National Park Service	jeff_duncan@nps.gov
Jennifer O'Rourke	South Carolina Wildlife Federation	jenno@scwf.org
Jennifer Summerlin	Kleinschmidt Associates	jennifer.summerlin@kleinschmidtusa.com
Jim Devereaux	SCE&G	jdevereaux@scana.com
JoAnn Butler	resident	jbutler@scana.com
Joy Downs	Lake Murray Assn.	elymay2@aol.com
Karen Kustafik	City of Columbia Parks and Recreation	kakustafik@columbiasc.net
Keith Ganz-Sarto		keith_ganz_sarto@hotmail.com
Kelly Maloney	Kleinschmidt Associates	kelly.maloney@kleinschmidtusa.com
Larry Michalec	Lake Murray Homeowners Coalition	lmichalec@aol.com
Larry Turner	SCDHEC	turnerle@dhec.sc.gov
Leroy M. Barber Jr.	LMA	lbarber@sc.rr.com
Malcolm Leaphart	Trout Unlimited	malcolml@mailbox.sc.edu
Mark Leao	USFWS	mark_leao@fws.gov
Marty Phillips	Kleinschmidt Associates	marty.phillips@kleinschmidtusa.com
Michael Waddell	TU - Saluda River Chapter	mwaddell@esri.sc.edu
Miriam S. Atria	Capitol City Lake Murray Country	miriam@lakemurraycountry.com
Norman Ferris	Trout Unlimited	norm@sc.rr.com
Patricia Wendling	LMA	wwending@sc.rr.com
Patrick Moore	SCCCL AR	patrickm@scccl.org
Ralph Crafton	LMA	crafton@usit.net
Randy Mahan	SCANA	rmahan@scana.com
Richard Mikell	Adventure Carolina	adventurec@mindspring.com
Stanley Yalicki	LMA	joyyalicki@aol.com
Steve Bell	Lake Murray Watch	bellsteve9339@bellsouth.net
Suzanne Rhodes	SC Wildlife Federation	suzrhodes@juno.com
Tim Vinson	SCDNR	vinsont@dnr.sc.gov
Tom Brooks	Newberry Co.	tbrooks@newberrycounty.net
Tommy Boozer	SCE&G	tboozer@scana.com
Tony Bebber	SCPRT	tbebber@scprt.com
Van Hoffman	SCANA Land Mgt.	vhoffman@scana.com

Recreation Resource Conservation Group Work Plan

DRAFT

Mission Statement

The mission of the Recreation RCG is to ensure adequate and environmentally-balanced public recreational access and opportunities related to the Saluda Hydroelectric Project for the term of the new license. The objective is to assess the recreational needs associated with the lower Saluda River and Lake Murray and to develop a comprehensive recreation plan to address the recreation needs of the public for the term of the new license. This will be accomplished by collecting and developing necessary information, understanding interests and issues and developing consensus-based recommendations.

Identified Issues

- ensure that recreational facilities and opportunities are protected and enhanced for current and future users, on and near the lake and river
 - access site above the Mill Race rapids
 - creation of a state park on the south side of the reservoir
 - creation of a multi-lane boating facility that can accommodate large tournaments
 - boating access
 - non-boating access
 - paddling access
 - expansion of existing SCE&G and public commercial facilities to accommodate future growth
 - security at recreation facilities
 - sufficient egress points on lower Saluda River
 - conservation of lands to protect the scenic integrity of the Project and to provide wildlife habitat areas
 - using the concept of adaptive management in future recreation planning
 - creation of a communication system that would encompass information to better inform the public of existing and projected conditions regarding lake levels and river flows
 - protection of the cold water fishery on the lower Saluda River
 - identification of flows needed for the lower Saluda River to support a variety of recreational uses
 - creation of scheduled recreation flows for the lower Saluda River
 - identification of a reliable lake level that will provide year round access for a majority of lake users
 - consideration of The Lower Saluda River Corridor Plan and the Lower Saluda Scenic River Corridor Plan Update and their related public access sites and greenway-trail concepts
 - identification and conservation of undeveloped shoreline and adjacent land for recreational use
 - management of river flows to improve safety for river users (coordinate with Safety RCG)
 - minimum flows to provide for recreational navigation and to protect and enhance aquatic life in river (coordinate with Fish and Wildlife RCG)
- Deleted:** the need for better public access
- Deleted:** Lower
- Deleted:** Lower
- Formatted:** Bullets and Numbering

RCG Tasks and Responsibilities

Recreation Resource Conservation Group Work Plan

DRAFT

- Utilizing and modifying the Standard Process for evaluating and addressing recreation management and access issues specific to the Saluda Project, including developing a vision statement for the Project.
- Identifying specific areas where lake ~~and river levels, river flows, and/or lake and river level fluctuations may be adversely affecting recreation including the nature and timing of the~~ effect (e.g., access to sections of water, access to facilities, and aesthetics).
Deleted: level
Deleted: at the lake,
- Working with the Operations Resource Conservation Group to identify “reasonable” (based on hydrologic, structural, and other limitations identified) changes ~~in Project~~ operations that would benefit recreation.
Deleted: and alternatives for modifying project operations, including
- ~~(?) Working with the Safety RCG and the Fish and Wildlife RCG to coordinate actions on issues of mutual interests such as river flows, lake levels, and the siting and management recreational facilities~~ ← **Formatted:** Bullets and Numbering
- Identifying any studies, if applicable, that need to be performed for identifying and/or evaluating changes to Project operations, ~~enhancements to existing facilities, and creation of new facilities to provide for public recreational access and opportunities.~~ **Deleted:** .
- ~~Make recommendations to the Lake and Land Management RCG to ensure adequate project lands are retained to meet recreational needs.~~
- Presenting a range of reasonable alternatives or recommendations to the Saluda Hydro Relicensing Group (SHRG) regarding modifications to facilities or current Project operations and provide recommendations for recreation access, facilities, and use.

Work Scope and Product

- **Task 1** – Utilize the stepwise process diagram and solution principles to guide the planning process for addressing recreation management issues at the Saluda Project.
- **Task 2** – Develop a Vision Statement for the Saluda Project.
- **Task 3** – Review the operational constraints and current operations of the Saluda Project (see Initial Consultation Document).
- **Task 4** – Answer the list of questions on the Standard Process Form in order to characterize the existing and potential future condition of access and lake levels ~~and river flows~~ – from a recreation setting perspective.
- **Task 5** – Review stakeholder requests ~~for particular studies and/or enhancement measures to~~ ensure that these are incorporated into study planning, if applicable **Deleted:** (e.g., agency letters)
- **Task 6** – Develop and recommend operation scenarios to the Operations RCG for analysis. These scenarios should reflect initial thinking on potential solutions and be designed to narrow the focus of Task 10 below. Analysis by the Operations RCG will focus on an assessment of potential recreational impacts associated with any suggested changes to operations.
- **Task 7** – Discuss results of the Operations RCG analyses.
- **Task 8** – Develop study designs/methods/plans and review agreed upon studies, literature reviews, etc.
- **Task 9** – Check the solution principles to ensure proposed study plans are consistent.

Recreation Resource Conservation Group Work Plan

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- **Task 10** – Provide recommendations for Project operations and recreation access, facilities, and use to be considered in conjunction with all ecological (including water quality), recreational, and safety issues.
- **Task 11** – Develop a consensus based Recreation Plan for the Saluda Project that addresses all of the issues and tasks identified above.

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Schedule

Late 2005/Early 2006—Finalize Mission Statement, Standard Process Form, Solution Principles, and Work Plan

Mid-2006—Complete identification of studies, literature reviews, etc. that need to be completed to address issues and tasks identified in the Work Plan

Late 2006—Begin compilation of existing information, review preliminary study results, and draft an outline of the Recreation Plan

2007—Complete any studies identified in Task 8 and review results; draft recommendations to SHRG, complete draft Recreation Plan

2008—Finalize Recreation Plan and provide comments on Draft License Application

Recreation Vision Statement for the Saluda Project

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The long-term vision for the Saluda Project is to recognize, protect, and enhance the fishery, water quality, aesthetic values, cultural resources, and public recreational opportunities on the reservoir and the Lower Saluda River, while recognizing the need to protect habitat supporting threatened, endangered, and sensitive species of Lake Murray and the lower Saluda River, and ensure adequate facilities and public access are provided. Given the size of the reservoir / hydro-project area, it is felt that it can continue to support a diversity of recreation opportunities. Recognizing that needs and demands will change, recreational uses will be monitored and managed to balance access/uses with the protection of natural resources and environmental quality; and planning for new facilities and management schemes will remain adaptive to changes.

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Deleted: tailwater

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Improvements to be considered at the Saluda Project include:

Evaluation of SCE&G-owned Project lands for possible reclassification for recreation activities.

Providing appropriate operations and maintenance of public recreation facilities.

Optimizing the capacity of existing public recreation facilities to accommodate existing and future demand.

Improving access and safety in the public waters below the dam and minimizing impacts of project operations on downstream recreation, recognizing the need to meet power generation, and downstream flow responsibilities at Saluda.

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Managing lake level drawdowns so as to optimize safety and recreational opportunities,

Deleted: minimize the occurrence of surface elevations lower than 354' in the late summer and early fall

Managing river flows so as to optimize safety and recreational opportunities

Ensuring public access areas for the non-boating public remain available along the lake and river shorelines.

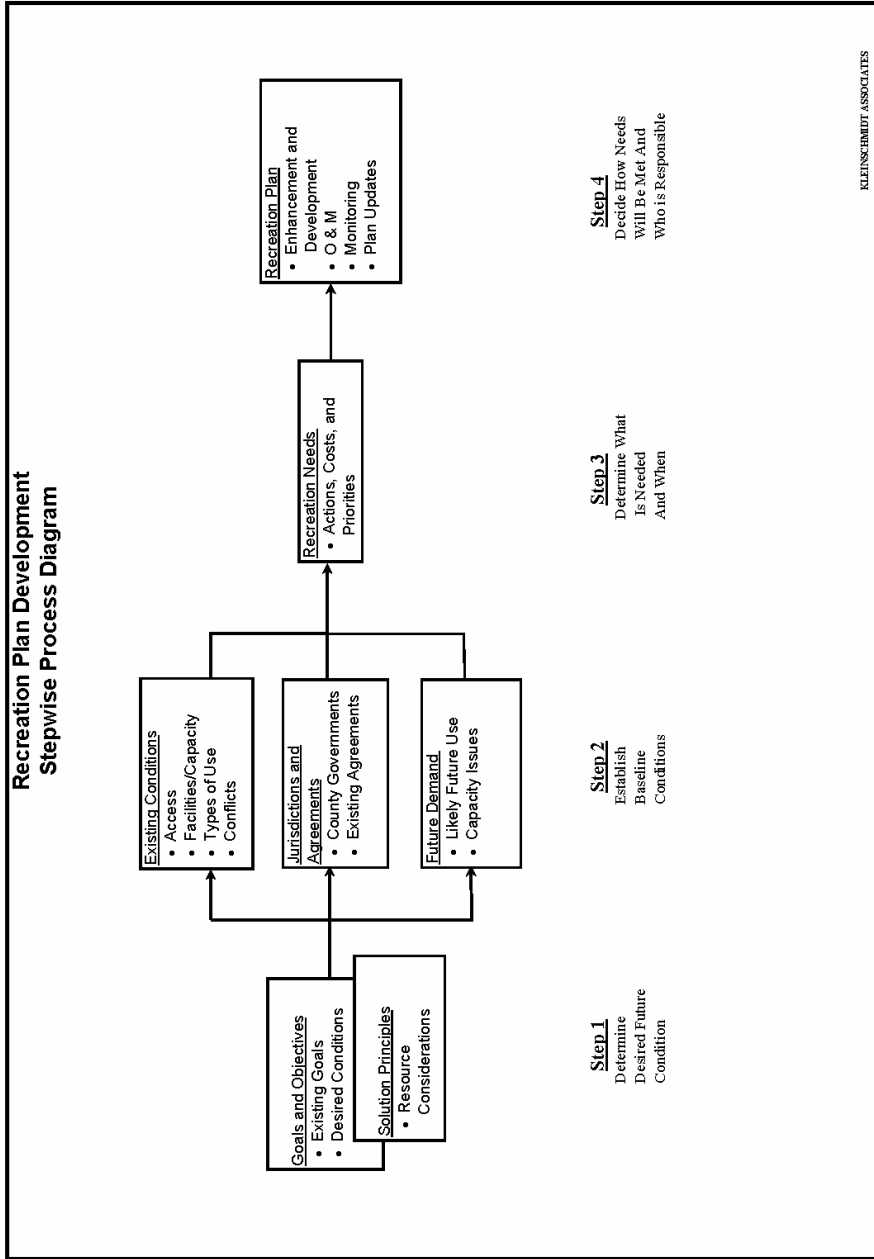
Development of new facilities in accordance with the comprehensive plan as the need arises.

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Recreation Plan Development

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Stepwise Process Diagram



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Recreation Plan Development

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Solution Principles

Consideration of new recreational facilities should be based on demonstrated need and the potential impact on existing facilities.

1. Priority should be given to demonstrated need within the FERC project boundary.
2. Priority should be given to recreational proposals where multiple stakeholders offer significant participation.
3. Recreational facilities should appeal to a broad public.
4. Reasonable access for the disabled should be provided.
5. Recreational needs should be prioritized for the project.
6. The improvement or expansion of existing recreational facilities should be considered first.
7. Additional recreational studies (if needed) should be only of sufficient scope and duration to provide necessary information to develop issue solutions.
8. Consensus based solutions are preferred over studies, unless solutions cannot be developed with existing information.

Preferred consideration will be given to ideas that:

- do not promote facilities that would adversely impact existing commercial operations;
- identify actual recreational needs that are not filled by existing facilities;
- receive broad public support;
- expand existing recreational facilities prior to developing green field sites;
- require doing recreational studies only if consensus cannot be reached with existing information (It is preferred to put financial resources into recreational facilities and opportunities that benefit the overall Project, rather than fund unnecessary/subjective studies).

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Recreation Plan Development

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Standard Process Form

The following is a list of standard questions designed to help characterize existing recreation resources and aid in development of an appropriate recreation plan for the Saluda Project. Questions pertaining to recreation management are categorized according to the four-step recreation plan stepwise process diagram developed for the project. Questions pertaining to reservoir levels and downstream flows are listed following the facility management material.

STEP 1 – DETERMINE DESIRED FUTURE CONDITION

1. Identify Lake Murray and/or Lower Saluda River (LSR) qualities important to keep and any qualities that need changes.

Change:

Relative water level stability

Predictability – desire flows in river to be more predictable; desire advanced notice of flows to be available to public

Accessibility and amenities (boardwalk accessible from land and water)

Water quality – desire to resolve DO problems in the tailrace and in the reservoir

Minimum flow – desire minimum flow standards that will protect aquatic health in river

Management of flow increases – desire slower rates for increasing flows in river to increase margin of safety for downstream river users

Keep:

Water quality

Natural shoreline and riverbanks

Undeveloped lands remain undeveloped

Aesthetics

Fishing opportunities

Hunting opportunities

Wildlife watching

Living on lake/river

Solitude

Keep islands natural

Safety/security

Public-private balance

Shoreline Management Program

Contingency reserve capacity

2. Are there unique characteristics of Lake Murray and/or the LSR relative to other reservoirs/tailraces in the area?

Location – near and within metropolitan area

Size

Uninterrupted by bridges

Amount of land owned by SCE&G

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Recreation Plan Development

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Extensive shoreline
Usable/accessible shoreline
Purple Martin habitat
Whitewater paddling in river
Cold water fisheries in river

3. What is the overall vision for Lake Murray and/or the LSR, in terms of recreation experiences and opportunities?

Insert Final Vision Statement

4. Are there sensitive biological or cultural resources associated with the Project that need to be considered? Where are these resources located and are there seasonal sensitivities (e.g., nesting or spawning times, etc.)?

ESA
Lands that support wildlife habitat
See Cultural RCG
Rocky shoals spider lily: Saluda River
Spawning, migrating fishes: lower Saluda and Congaree River
Trout: lower Saluda

5. Identify specific goals and objectives for managing recreation at Lake Murray and/or in the LSR.

Lake levels
River levels and flows
Minimum flows to support aquatic community health and recreational uses in the river
Recreational flows
Management of flow changes from the hydro to improve safety for downstream river users
Scheduled recreational releases
Knowledge of current and anticipated generation releases made accessible to the public
Park on Lexington side of lake
Park/preserve on Lexington side of river at Twelve-mile Creek as describe in LSR Corridor Plan
Provide takeout point above Zoo at Millrace Rapids
LSR greenway trail described in LSSR Corridor Plan Update (involves River Alliance/City of Columbia, and ICRC/Saluda Shoals Park)
Assure long term stability of Billy Dreher Island, Flotilla Island, and Saluda Shoals Park
Large tournament facility
Reasonable avoid negatively impacting commercial facilities
Conservation of existing project lands for wildlife and scenic values
Estimate current and future recreational use of reservoir and river
Year-round access for recreation sites

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STEP 2 – ESTABLISH BASELINE CONDITIONS

Recreation Plan Development

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6. What is the nature of existing recreational access to Lake Murray and the LSR?
 - a. How many public accessible, developed recreation sites are there?
 - b. Where are they located/how are they distributed around the Project?
 - c. Of these publicly accessible access sites how many are owned and operated by public versus private entities and how are they supervised?
 - d. How many sites, open to the public, provide boat access to the reservoir and the LSR?
 - e. How many provide shoreline fishing?
 - f. Identify the most heavily used facilities.
 - g. Are there informal, undeveloped use areas? Where are they?
7. What types of existing developed facilities are there?
 - a. Enumerate boat ramps, restrooms, docks, and other facilities.
 - b. What is the existing capacity at each site?
 - c. What is the general condition of each site and its facilities?
 - d. Ideas for improving existing facilities.
8. Describe notable recreation activities on Lake Murray and/or the LSR.
 - a. List recreation activities currently occurring and identify most prominent activities.

Greatest activity is independent family recreation.

Motor boating

Sailing

Fishing from boats

Fishing from banks

Wade fishing

Swimming and sunning

Picnicking

Canoeing and kayaking (flatwater and whitewater)

Floating with tubes and rafts

- b. Where are these uses occurring, and are they concentrated in certain areas?

Lower Saluda River supports all above activities except sailing

Whitewater boating concentrated on Saluda River below I-26 Bridge

Swimming and sunning on Lower Saluda concentrated at Riverbanks Zoo area; and will expand upriver when greenway trail opens in 2007

Wade fishing concentrated at shoal areas of lower River; at least four areas along river

- c. Identify existing impediments to these activities, if any.

9. Are there known management issues associated with use?
 - a. Are there areas of congestion, and if so where?
 - b. Are there known conflicts between users, and if so where and when?

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Recreation Plan Development

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Fishing tournaments are disruptive to other boaters and residents. There needs to be an established, enforced protocol for organizes fishing tournaments.

- c. Are there other known management issues, such as littering, trespassing, etc.?

Enforcement of established rules are excellent but limited by funding and political boundaries.

10. What is the expected future demand for recreation activities at Lake Murray?
- Will existing facility capacity likely be exceeded, and if so where and when?
 - Would accommodating this demand be consistent with the long-term vision for the reservoir?
 - Will demand introduce new or additional congestion, conflicts, or other management issues?

11. Identify current local benefits from recreation and any local detriments.

STEP 3 – DETERMINE WHAT IS NEEDED AND WHEN

12. Ideas for better or different access, consistent with Step 2 above.
13. Potential facility enhancements or upgrades, consistent with Step 2 above.
14. Potential new facilities, or other management actions, consistent with Step 2 above.
15. What are the priorities regarding identified needs both in terms of resources and time? How do priorities compare across the entire Project?

STEP 4 – DECIDE HOW NEEDS WILL BE MET AND WHO IS RESPONSIBLE

QUESTIONS REGARDING RESERVOIR LEVELS

16. How is the Project currently operated and what are the typical reservoir levels during key recreation seasons?

- SCE&G operates Saluda Hydroelectric Project as a multi-purpose project. The seasonal changes in elevations provide hydroelectric generation, maintenance of downstream water quality, a unique tailrace fishery, and municipal/industrial water supply.
- SCE&G has a verbal agreement with SCDHEC for a minimum flow of 180 cfs.
- During the low DO season which generally runs from late June to early December, SCE&G will try to maintain a minimum flow of 400 – 500 cfs to help maintain a higher level of DO in the Lower Saluda River.
- From April through the end of August the lake is operated near the normal operating high water level of el. 358 ft Plant Datum (PD). Maximum full pool is el. 360.

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Recreation Plan Development

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- Drawdown begins near the end of August or early September and ends in late December near the winter pool level of 350 - 352 ft PD. This allows additional storage capacity in anticipation of the late winter and early spring rainy season.
- At the beginning of January the lake is allowed to refill during the rainy season so it will be at the normal operating high water level of 358 ft. PD by April.
- The plant normally schedules power operations for contingency reserve to meet our obligation to the Virginia/Carolinas Reserve Sharing Group (VACAR), a member of the Southeastern Electric Reliability Council (SERC), which is governed by the North American Electric Reliability Council (NERC). During the fall and in anticipation of heavy rains from a tropical storm or hurricane the plant will generate as necessary to manage the lake level, system reserve, and emergency generation requirements.
- Power generation may be increased to allow SCE&G to meet their obligations of contingency reserve as part of our VACAR agreement with neighboring utilities.

17. Are there changes to Project operations that you would like to see addressed to improve the overall value of the reservoir, and how specifically would such changes benefit recreation?

- What minimum lake elevation will provide recreational benefits during each season of the year?
- Current reservoir level operations balance the multi-purpose use of the reservoir. Maintaining the existing reservoir level fluctuations would allow for continued water level management through daily and weekly power generation operations however recreation would see no additional benefits. Conversely, limiting the seasonal fluctuation may have recreational benefits but other project purposes would be compromised (power generation, water level management, water quality maintenance, and aquatic weed control).

18. Are there seasonal and/or daily variations in reservoir level that can occur without adversely affecting the overall value of the project (including impoundment objectives such as recreation, fish and wildlife, flood control, generation, navigation, etc.)?

- There are not large daily fluctuations at the Saluda Hydroelectric Project.

19. What are the reservoir levels at which recreation problems tend to occur (may be different for different locations or problems)?

- There appears to be a potential impact to recreational resources when the lake level is lower.
- SCE&G already extended boat ramps at several of their public access parks to accommodate a water level down to el. 345 ft PD.

20. When (i.e., what time of year) and how frequently do problems occur related to reservoir levels?

- In general, the operation of Saluda Hydroelectric Project has been consistent throughout the years except for 1990, 1996, 2002 – 2004, and 2006. During those years the lake level was lowered to around el. 345 – 348 ft PD for the following project maintenance requirements:
1990 – Intake towers maintenance

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Recreation Plan Development

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1996 – Hydrilla control as requested by SCDNR

2002 – 2004 – FERC Order for safety during dam remediation project

2006 – Upstream riprap repair

- It will be necessary to lower the lake level to around el. 345 ft PD in the future for maintenance of project structures and installing new recreational access.

21. Why are the current operating water levels important to the operation of the project and the overall system?

- The Saluda Hydroelectric Project is a multi-purpose reservoir. The current operating water levels are critical for the project to meet its required purposes. The changes in water level have many beneficial impacts both upstream and downstream of the dam :
- The project is used to meet our contingency reserve capacity obligation as part of the VACAR agreement. This is for a loss on our own system or by one of our neighboring Reserve Sharing Group utilities.
- Electricity (inexpensive, clean, renewable)
- Electric system ancillary services (transmission line maintenance & overload protection, security resource for VCS Nuclear Statino)
- Navigation support
- Trout fishery
- Downstream water quality and aquatic habitat
- Municipal and industrial water supply

22. Are there state or federal operating requirements that stipulate specific operating goals?

- SCE&G and SCDHEC have an agreement to discharge a minimum flow or 180 cfs from the project.
- Article 12 of the FERC license requires that reservoir levels and discharge from storage be controlled by reasonable rules and regulations of the Commission for the protection of life, health, and property and for other beneficial public uses including recreational purposes.
- Exhibit H of the latest FERC license application identifies the lower lake level to be Elev. 350 during normal flow years and Elev. 345 during low flow years.
- Our McMeekin Generating Station NPDES permit requires a minimum of 2,500 cfs discharge from Saluda prior to discharging the fossil plant circulating water return directly into the Lower Saluda River.

QUESTIONS REGARDING DOWNSTREAM FLOWS

23. Are there riverine recreation opportunities below the dam? If yes, move to additional questions, if not, stop.

24. Do we know how different flow levels affect recreation opportunities and specific recreation activities?

25. Can opportunities be enhanced by modifying releases, and in what way?

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Recreation Plan Development

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26. How would modified releases affect upstream lake levels?
27. How would suggested modified downstream flows affect project operations at the project and at upstream and downstream projects?
28. Are there additional concerns with regard to state and federal requirements or existing ecological issues that limit suggested changes to downstream flows?

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Danielle Fitzpatrick

From: Dave Anderson
Sent: Wednesday, July 12, 2006 9:34 AM
To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Tony Bebber
Cc: Alison Guth; Alan Stuart; BARGENTIERI@scana.com; RMAHAN@scana.com
Subject: Recreation Management TWC Meeting

Based on responses, it looks like the best time for us to meet will be next Wednesday, July 19 at 3 pm. We will be meeting at the Lake Murray Training Center in Room 104. Be prepared to discuss the boat density study plan.

Danielle Fitzpatrick

From: Malcolm Leaphart [malcolml@mailbox.sc.edu]
Sent: Wednesday, July 12, 2006 4:30 PM
To: Dave Anderson
Cc: bellsteve9339@bellsouth.net; mwaddell@esri.sc.edu; Alan Stuart; Alison Guth; tbebber@scprt.com; rmahon@scana.com; kayakduke@bellsouth.net; patrickm@scccl.org; marshallb@dnr.sc.gov
Subject: RE: Recreation Management TWC Meeting

I will be in meetings at work Wed pm so cannot participate via telephone with you then. But thanks... Will have to stay in the loop via emails.

Written comments as requested:

My main concern with the study plans for the lake and river facilities is that they will likely not identify new sites with the emphasis on evaluating existing sites and the audience reached. We need new sites identified and evaluated by the Recreation RCG on both the river and the lake by those actively participating in the relicensing process. Many of those were covered in ICD responses and need to emerge in the process and be tracked as issues. I also submitted specific suggestions for the river previously and am anticipating that those and others will be addressed in the near future. There have been several marinas in the news lately too on the lake that are closing or going private, both actions increasing the demand for public lake access. I anticipate that Steve Bell and George Duke and others will bring us up on those situations as the discussions of new sites are begun. Also, the Lower Saluda Scenic River Advisory Council has been developing a consensus on river access needs for years from a broad spectrum of citizens and groups, including landowners. Those recommendations for new sites need to be on the table.

Quoting Dave Anderson <Dave.Anderson@KleinschmidtUSA.com>:

> If you want to submit written comments to the study plan prior to the
> meeting, that will be fine. I am thinking of bringing in a phone if
> you think you can participate that way.
>
> -----Original Message-----
> From: Malcolm Leaphart [mailto:malcolml@mailbox.sc.edu]
> Sent: Wednesday, July 12, 2006 3:04 PM
> To: Dave Anderson
> Cc: bellsteve9339@bellsouth.net; mwaddell@esri.sc.edu;
> Alan.Stuart@KleinschmidtUSA.com; Alison.guth@KleinschmidtUSA.com;
> tbebber@scprt.com; rmahon@scana.com
> Subject: Re: Recreation Management TWC Meeting
>
>
> Regrets... I have arranged to be off of work on Thursday for the
> Safety
> meeting; but, cannot attend Wed pm and Friday meetings too next week. Please
>
> consider spacing future meetings across more weeks to help working
> volunteers
> attend.
>
>
> Quoting Dave Anderson <Dave.Anderson@KleinschmidtUSA.com>:
>
> > Based on responses, it looks like the best time for us to meet will
> > be
> > next Wednesday, July 19 at 3 pm. We will be meeting at the Lake
> > Murray Training Center in Room 104. Be prepared to discuss the boat
> > density study plan.
> >

Danielle Fitzpatrick

From: Patrick Moore [PatrickM@scccl.org]
Sent: Thursday, July 13, 2006 1:42 PM
To: Dave Anderson; Bill Marshall
Cc: Tom Eppink; Bill Marshall; Charlene Coleman; Guy Jones; Jennifer Summerlin; Karen Kustafik; Kelly Maloney; Malcolm Leaphart
Subject: RE: Special Presentation on Three Rivers Greenway

Great,

I look forward to reviewing the plan. The rate of change analysis logically should include different "types" of river i.e. pool, riffle, shoal, etc. and gauge from below the dam throughout the PBL and to the confluence, as all are project impacted reaches with varying rates of change. The Federal Power Act requires us to equally consider all types of recreation. The Clean Water Act requires our settlement to protect all existing and beneficial uses. Logically, this will require some type of in river analysis on different uses as laid out in the sample rec plan I submitted. Just some thoughts before draft one comes out.

Thanks

Patrick

-----Original Message-----

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]
Sent: Thursday, July 13, 2006 1:03 PM
To: Patrick Moore; Dave Anderson; Bill Marshall
Cc: Tom Eppink; Bill Marshall; Charlene Coleman; Guy Jones; Jennifer Summerlin; Karen Kustafik; Kelly Maloney; Malcolm Leaphart
Subject: RE: Special Presentation on Three Rivers Greenway

This study plan will include a "rate of change" component.

-----Original Message-----

From: Patrick Moore [mailto:PatrickM@scccl.org]
Sent: Thursday, July 13, 2006 11:34 AM
To: Dave Anderson; Bill Marshall
Cc: Tom Eppink; Bill Marshall; Charlene Coleman; Guy Jones; Jennifer Summerlin; Karen Kustafik; Kelly Maloney; Malcolm Leaphart
Subject: RE: Special Presentation on Three Rivers Greenway

Dave,

So there, is, or is not, a rate of change study aimed at different river reaches and different designated uses being designed by Kleinschmidt for distribution to the TWC? Internal review process is unclear to me.

Thanks,

Patrick

-----Original Message-----

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]

Sent: Thursday, July 13, 2006 9:38 AM

To: 'Bill Marshall'

Cc: Tom Eppink; Bill Marshall; Charlene Coleman; Dave Anderson; Guy Jones; Jennifer Summerlin; Karen Kustafik; Kelly Maloney; Malcolm Leaphart; Patrick Moore

Subject: RE: Special Presentation on Three Rivers Greenway

You haven't missed anything. The Downstream Recreation Flow Assessment Study Plan is under going an internal review process. I expect it to go out within the next week. We will schedule a meeting to discuss it once everyone has sufficient time to review it.

-----Original Message-----

From: Bill Marshall [mailto:MarshallB@dnr.sc.gov]

Sent: Wednesday, July 12, 2006 4:20 PM

To: Dave Anderson

Subject: RE: Special Presentation on Three Rivers Greenway

Dave,

I'll admit that I've been busy and have not been looking for it so maybe I've missed it ...but could you let me know what has resulted from decisions made at our last meeting of the rec flows twc. Patrick has made reference on a couple of occassions to some work (flow change study) that is moving forward. Again, maybe I missed it or my aging mind has forgotten... but I'm not aware of what is going on, so please let me know (and others on the TWC?) .

Thanks,

Bill

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]

Sent: Monday, July 10, 2006 4:48 PM

To: Van Hoffman; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Bill Marshall; Charlene Coleman; Charlie Rentz; Dave Anderson; David Hancock; Dick Christie; George Duke; Gerrit Jobsis (American Rivers); Guy Jones; Irvin Pitts (ipitts@scprt.com); Jeff Duncan; Jennifer O'Rourke; Jennifer Summerlin; Jim Devereaux; JoAnn Butler; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Kelly Maloney; Larry Michalec; Larry Turner (turnerle@dhec.sc.gov); Lee Barber; Malcolm Leaphart; Mark Leao; Marty Phillips; Mike Waddell; Miriam Atria; Norman Ferris; Patricia Wendling; Patrick Moore; Ralph Crafton; Randy Mahan; Richard Mikell; Stanley Yalicki; Steve Bell; Suzanne Rhodes; Tim Vinson; Tom Brooks; Tommy Boozer; Tony Bebber

Subject: Special Presentation on Three Rivers Greenway

I wanted to invite those of you that aren't in the Safety RCG to attend a presentation by Mike Dawson on the Three Rivers Greenway Plan on Thursday, July 20 at 9:30

am. The presentation should last about an hour.

Also, as a result of writing this e-mail I discovered that I put the wrong date in previous e-mails for our Recreation RCG meeting. Our meeting is on July 21 at 9:30 am, as noted on the last set of meeting notes.

If you plan on attending the presentation (and are not in the Safety RCG), please let Alison G. know so that we may make appropriate arrangements for seating.

Danielle Fitzpatrick

From: Kustafik, Karen [kakustafik@columbiasc.net]
Sent: Monday, August 14, 2006 10:05 AM
To: Dave Anderson; Tommy Boozer; Aaron Small; Axson, William; Alan Stuart; Alison Guth; Amanda Hill; BARGENTIERI@scana.com; Bill Marshall; Bill Mathias; Bret Hoffman; Charlene Coleman; David Price; Dick Christie; Edward Schnepel; George Duke; Gerrit Jobsis (American Rivers); Jennifer O'Rourke; Jerry Wise; Jim Devereaux; Joel Huggins; John and Rob Altenberg; Joy Downs; Ken Uschelbec; Kenneth Fox; turnerle@dhec.sc.gov; Lee Barber; Malcolm Leaphart; Mark Leao; Mike Waddell; Miriam Atria; Norm Nicholson; Norman Ferris; Patrick Moore; RMAHAN@scana.com; Roger Hovis; Skeet Mills; Steve Bell; Suzanne Rhodes; Tom Eppink; Van Hoffman; Bill Brebner; Charlie Rentz; David Hancock; Guy Jones; ipitts@scprt.com; Jeff Duncan; Jennifer Summerlin; JoAnn Butler; Keith Ganz-Sarto; Kelly Maloney; Larry Michalec; Marty Phillips; Patricia Wendling; Ralph Crafton; rparsons12@alltel.net; Richard Mikell; Stanley Yalicki; Tim Vinson; Tom Brooks; Tony Bebbber
Subject: RE: Article in State

Having looked at numbers in the safety RCG, I cannot resist noting the author's claim:

Wilkinson writes:

[Dozens of people have died in the dangerous water](#)

from archived Monk article:

[Since 1997, seven people have drowned near the zoo.](#)

Dozens--plural--would get us past 24. Have we missed something?

Either way, we look forward to caring for that stretch of Greenway.

Cheers, Karen

-----Original Message-----

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]

Sent: Monday, August 14, 2006 9:48 AM

To: Tommy Boozer; Aaron Small; Axson, William; Alan Stuart; Alison Guth; Amanda Hill; Bill Argentieri; Bill Marshall; Bill Mathias; Bret Hoffman; Charlene Coleman; Dave Anderson; David Price; Dick Christie; Edward Schnepel; George Duke; Gerrit Jobsis (American Rivers); Jennifer O'Rourke; Jerry Wise; Jim Devereaux; Joel Huggins ; John and Rob Altenberg; Joy Downs; Kustafik, Karen; Ken Uschelbec; Kenneth Fox; turnerle@dhec.sc.gov; Lee Barber; Malcolm Leaphart; Mark Leao; Mike Waddell; Miriam Atria; Norm Nicholson; Norman Ferris; Patrick Moore; Randy Mahan; Roger Hovis ; Skeet Mills ; Steve Bell; Suzanne Rhodes; Tom Eppink; Van Hoffman; Bill Brebner ; Charlie Rentz; David Hancock; Guy Jones; ipitts@scprt.com; Jeff Duncan; Jennifer Summerlin; JoAnn Butler; Keith Ganz-Sarto; Kelly Maloney; Larry Michalec; Marty Phillips; Patricia Wendling; Ralph Crafton; rparsons12@alltel.net; Richard Mikell; Stanley Yalicki; Tim Vinson; Tom Brooks; Tony Bebbber

Subject: Article in State

Apologies to those of you that receive this twice (if your on the Safety and Recreation RCGs).

<http://www.thestate.com/mld/thestate/2006/08/13/news/local/15262844.htm>

>
>
> I just wanted to remind everyone that Marty would like any names by
> September 8th.
>
> -----Original Message-----
> From: Dave Anderson
> Sent: Monday, August 21, 2006 1:54 PM
> To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George
> Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart;
> Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer;
> Tony Bebber
>
> Cc: Alan Stuart; Bill Argentieri
> Subject: Request for names of waterfowl hunters
>
> Please see the attached memo from Marty Phillips. The deadline for
> submitting any names to her is September 8th.
>
>
>
> << File: Request for Names.doc >>
>
>

Danielle Fitzpatrick

From: BOOZER, THOMAS C [TBOOZER@scana.com]
Sent: Wednesday, August 23, 2006 12:54 PM
To: tkc@connellybuilders.com
Cc: Alan Stuart; Dave Anderson
Subject: RE: Hammock Bay

Kevin, I think you and David have discussed this issue. I have got a request of you. I know that you are a member of Ducks Unlimited. We are looking for a few hunters who hunt waterfowl on Lake Murray to participate in a hunting survey. If you could provide me with a couple of names of hunters who might like to participate in this survey I would appreciate it. Give me a call if you want to discuss. We would like to talk to people who actually kill ducks on Lake Murray. I hope you are one of them. Thanks Tommy

-----Original Message-----

From: Kevin Connelly [mailto:tkc@connellybuilders.com]
Sent: Friday, August 18, 2006 3:21 PM
To: HANCOCK, DAVID E; BOOZER, THOMAS C
Cc: Bill Chamblin
Subject: Hammock Bay

Tommy,
When did this "conservation area" get added to my land and why? Please call me. 803 513 1056

MEMORANDUM

TO: Recreation Management TWC

FROM: Marty Phillips

DATE: August 21, 2006

RE: Waterfowl Focus Group

We are in the process of preparing for the focus group of waterfowl hunters, and it is time to ask members of the Recreation Management Technical Working Committee to help us identify people who we could recruit to participate. We are sampling looking for names and contact information, preferably a telephone number, of people who have experience waterfowl hunting on Lake Murray and the Lower Saluda River. Kleinschmidt will take care of recruiting these folks.

I cannot promise that every one whose name is submitted will be recruited for the group. That will depend on the number of names we receive and the availability of everyone on the selected date. Please have people send names and contact information to me at Marty.Phillips@KleinschmidtUSA.com. There is no need to send this information to everyone in the group. That will limit the distribution of people's personal telephone numbers and will allow us to retain a degree of confidentiality with people's personal contact information.

If you have any questions, please let me know.

Thank you for your help.

Sent: Tuesday, August 22, 2006 1:24 PM
To: Bob Perry
Cc: Margie Rish
Subject: RE: Duck Hunters Question

Bob, There are always privacy restrictions involved so I am sending this to Margie Rish. She always give the final agency approval for these request. She will send you the guidelines and you can see if they restrict the consultants from obtaining the list. Thanks

From: Bob Perry
Sent: Tuesday, August 22, 2006 11:48 AM
To: Sandra Hartley
Cc: Buddy Baker
Subject: Duck Hunters Question

Sandra,

In the context of FERC relicensing of Lake Murray could we provide one of SCE&G's consultants a list of duck hunters in Lexington, Richland, Saluda and Newberry counties?

How difficult would it be to pull the duck stamp purchasers (Names, addresses, phone numbers) from these counties from FY 05-06?

Are there any privacy restrictions involved?
Thanks,
Bob

Danielle Fitzpatrick

From: Tony Bebber [tbebber@scprt.com]
Sent: Friday, September 01, 2006 4:26 PM
To: Dave Anderson; Van Hoffman; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Booser
Cc: Alan Stuart; BARGENTIERI@scana.com
Subject: RE: Request for names of waterfowl hunters

Marty/Dave:

I have forwarded your request to a few people I know but don't know if they will respond. I suggest you check out the Ducks Unlimited website (a Columbia Recruitment meeting lists Andy Stevenson 803-513-5739 as a local contact) and the SC Waterfowl Association. These two groups should be able to put you in touch with a few volunteers to survey.

Tony Bebber, AICP

Planning Manager, Recreation, Planning & Engineering Office
SC Department of Parks, Recreation & Tourism
1205 Pendleton Street
Columbia, SC 29201
Phone 803-734-0189
Fax 803-734-1042
tbebber@scprt.com

Shaping & Sharing a Better South Carolina

websites: www.DiscoverSouthCarolina.com www.SouthCarolinaParks.com www.SCTrails.net

From: Dave Anderson [mailto:Dave.Anderson@KleinschmidtUSA.com]
Sent: Friday, September 01, 2006 12:08 PM
To: Dave Anderson; Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Booser; Tony Bebber
Cc: Alan Stuart; Bill Argentieri
Subject: RE: Request for names of waterfowl hunters

I just wanted to remind everyone that Marty would like any names by September 8th.

-----Original Message-----

From: Dave Anderson
Sent: Monday, August 21, 2006 1:54 PM
To: Van Hoffman; Dave Anderson; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Booser; Tony Bebber
Cc: Alan Stuart; Bill Argentieri
Subject: Request for names of waterfowl hunters

Please see the attached memo from Marty Phillips. The deadline for submitting any names to her is September 8th.

Danielle Fitzpatrick

From: Marty Phillips
Sent: Friday, September 01, 2006 1:01 PM
To: 'Bob Perry'
Subject: RE: Duck Hunters Question

Thank you, Bob. I appreciate your assistance with this.

Don't worry too much about getting that to me today. Sometime within the next week or two would be fine.

Have a great weekend.

Marty

-----Original Message-----

From: Bob Perry [mailto:PerryB@dnr.sc.gov]
Sent: Friday, September 01, 2006 12:57 PM
To: Marty Phillips
Subject: FW: Duck Hunters Question

Hey Marty,

Here is the request I sent down to our license coordinator. Please let me know if you will want these names, etc. I will have the other data summarized today . . . I hope. Thanks,
Bob

From: Sandra Hartley
Sent: Tuesday, August 22, 2006 1:24 PM
To: Bob Perry
Cc: Margie Rish
Subject: RE: Duck Hunters Question

Bob, There are always privacy restrictions involved so I am sending this to Margie Rish. She always give the final agency approval for these request. She will send you the guidelines and you can see if they restrict the consultants from obtaining the list. Thanks

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How difficult would it be to pull the duck stamp purchasers (Names, addresses, phone numbers) from these counties from FY 05-06?

Are there any privacy restrictions involved?
Thanks,

Bob

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Subject: FW: Duck Hunters Question

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How difficult would it be to pull the duck stamp purchasers (Names, addresses, phone numbers) from these counties from FY 05-06?

Are there any privacy restrictions involved?

Thanks,

Bob

Danielle Fitzpatrick

From: Malcolm Leaphart [malcolml@mailbox.sc.edu]
Sent: Tuesday, September 05, 2006 12:06 PM
To: Tony Bebber
Cc: Dave Anderson; Van Hoffman; David Hancock; Dick Christie; George Duke; Jennifer Summerlin; Kelly Maloney; Lee Barber; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson; Tommy Boozer; Alan Stuart; BARGENTIERI@scana.com
Subject: RE: Request for names of waterfowl hunters

Great point, Tony. Those should be essential contacts for information from the public on waterfowl hunting on Lake Murray... I don't know of any active representatives from them in the relicensing process; but, seeking those would be the best way to get the best information on this use of the lake, especially how the shoreline developments have impacted or may have even eliminated waterfowl hunting there.

Quoting Tony Bebber <tbebber@scprt.com>:

> Marty/Dave:
>
> I have forwarded your request to a few people I know but don't know if
> they will respond. I suggest you check out the Ducks Unlimited
> website (a Columbia Recruitment meeting lists Andy Stevenson
> 803-513-5739 as a local contact) and the SC Waterfowl Association.
> These two groups should be able to put you in touch with a few
> volunteers to survey.
>
>
> Tony Bebber, AICP
> Planning Manager, Recreation, Planning & Engineering Office
>
> SC Department of Parks, Recreation & Tourism
> 1205 Pendleton Street
> Columbia, SC 29201
> Phone 803-734-0189
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>
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>
> websites: www.DiscoverSouthCarolina.com
> <<http://www.discoverouthcarolina.com/>> www.SouthCarolinaParks.com
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> Malcolm Leaphart; Marty Phillips; Patrick Moore; Steve Bell; Tim Vinson;
> Tommy Boozer; Tony Bebber
> Cc: Alan Stuart; Bill Argentieri
> Subject: RE: Request for names of waterfowl hunters
>

Danielle Fitzpatrick

From: Marty Phillips
Sent: Thursday, September 14, 2006 3:41 PM
To: 'R Patten Watson'
Subject: RE: Duck hunters

Patton:

I'm not certain how much you're tracking the Saluda relicensing, but hopefully this will help.

The focus group is generally described in the recreation site assessment study plan, which is located on the Saluda relicensing website:

<http://www.saludahydrorelicense.com/StudyReports.htm>

If you look under the Recreation heading, you will see the study plan. Hopefully that will answer your questions. Please feel free to peruse the website to learn more about SCE&G's relicensing.

If you would like additional information, I refer you to Alan Stuart (our project manager) or Dave Anderson (our facilitator on recreation issues). Alan can be reached by email at Alan.Stuart@KleinschmidtUSA.com. Dave can be reached at Dave.Anderson@KleinschmidtUSA.com.

Thank you very much for your offer to help and for your interest in this topic.

Marty

*Kleinschmidt Associates
75 Main Street P.O. Box 576
Pittsfield, ME 04967
phone: (207) 487-3328
fax: (207) 487-3124*

From: R Patten Watson [mailto:rpw@sc.rr.com]
Sent: Thursday, September 14, 2006 3:18 PM
To: Marty Phillips
Subject: RE: Duck hunters

By the way, exactly what is it y'all are trying to do?

-----Original Message-----

From: Marty Phillips [mailto:Marty.Phillips@KleinschmidtUSA.com]
Sent: Thursday, September 14, 2006 2:26 PM
To: R Patten Watson
Subject: RE: Duck hunters

Hi,

I sure am. We are soliciting names and phone numbers from the Recreation TWC and from Ducks Unlimited. When we finish collecting names, we'll pool them all and randomly start calling folks to see who can participate in our focus group.

If you have names of people who you believe have experience hunting on Lake Murray, please send

them along. The more names we have, the better are chances are of recruiting enough people to participate.

Marty

*Kleinschmidt Associates
75 Main Street P.O. Box 576
Pittsfield, ME 04967
phone: (207) 487-3328
fax: (207) 487-3124*

-----Original Message-----

From: R Patten Watson [mailto:rpw@sc.rr.com]
Sent: Thursday, September 14, 2006 2:19 PM
To: Marty Phillips
Subject: Duck hunters

I just received the email regarding the search for duck hunters. It had been delivered to my "trash" file as the computer did not identify the sender. Are y'all still looking for hunters and information.

Danielle Fitzpatrick

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Danielle Fitzpatrick

From: Marty Phillips
Sent: Monday, September 18, 2006 8:55 AM
To: 'Scott McWatty'
Subject: RE: Duck hunters

Dear Mr. McWatty:

Thank you for your email. If you are interested in participating in a focus group of waterfowl hunters, I would be pleased to include your name and phone number on a list from which our participants will be drawn. A focus group is simply a discussion guided by predefined questions.

Please provide your telephone number so that we can call you if your name is selected. At the time of the call, we will provide additional details, including the meeting date, time, and directions.

Sincerely,
Marty Phillips
Kleinschmidt Associates
75 Main Street P.O. Box 576
Pittsfield, ME 04967
phone: (207) 487-3328
fax: (207) 487-3124

-----Original Message-----

From: Scott McWatty [mailto:smcwatty@sc.rr.com]
Sent: Thursday, September 14, 2006 9:29 PM
To: Marty Phillips
Cc: R Patten Watson
Subject: Re: Duck hunters

Marty,

Patten sent me the information on the Saluda (Lake Murray) relicensing. I am a duck hunter and like Patten said I do it for the love of the sport! I would be delighted to help in any way I can with your efforts.

Scott McWatty

----- Original Message -----

From: [R Patten Watson](mailto:R.Patten.Watson@sc.rr.com)
To: smcwatty@sc.rr.com
Sent: Thursday, September 14, 2006 7:26 PM
Subject: FW: Duck hunters

Squatty - Marty asked that her/his email address just not be thrown out there. You now have all that I know about this.

-----Original Message-----

From: Marty Phillips [mailto:Marty.Phillips@KleinschmidtUSA.com]
Sent: Thursday, September 14, 2006 4:12 PM
To: R Patten Watson
Subject: RE: Duck hunters

Actually, I'm not a hunter, but am fortunate to have many friends and family who support my love of game meats!

Next Friday, September 22 is my deadline for names. After that, we'll start recruiting people to participate.

Thank you so much. I hope the weekend comes soon for you!

Marty

-----Original Message-----

From: R Patten Watson [mailto:rpw@sc.rr.com]

Sent: Thursday, September 14, 2006 4:01 PM

To: Marty Phillips

Subject: RE: Duck hunters

Are you a duck hunter? I am and I do not think of duck hunting as a recreation. I do it for love & food. I am also a bit of a smartass but I will be glad to help y'all out in anyway I can.

I am also a damn CPA and I am overwhelmed until tomorrow around 9:00 PM. Then it will be beer time.

I will look at things and pass along all the names I can when the time permits. Do you have a strict deadline?

And by the way, I am aware of the relicensing. A lot of people concerned about water levels and the trout population of been raising a stink. I do not see how you can have both.

Thanks for the info.

Patten

-----Original Message-----

From: Marty Phillips [mailto:Marty.Phillips@KleinschmidtUSA.com]

Sent: Thursday, September 14, 2006 3:41 PM

To: R Patten Watson

Subject: RE: Duck hunters

Patton:

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The focus group is generally described in the recreation site assessment study plan, which is located on the Saluda relicensing website:

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Danielle Fitzpatrick

From: Bob Perry [PerryB@dnr.sc.gov]
Sent: Monday, September 18, 2006 4:30 PM
To: Marty Phillips
Cc: Ron Ahle; Dick Christie; Ed Duncan; Buddy Baker; Derrell Shipes
Subject: RE: Duck Hunters Question

Marty,

I have researched my files for the relevant waterfowl hunter questionnaire info as it may pertain to FERC relicensing of Lake Murray. Listed from the most recent to the oldest:

1. Responsive Management. 2005. South Carolina waterfowl hunter survey. 71 pp.

This contracted survey took a random sample of all duck stamp purchasers in SC from the 2004-05 license period. The survey was designed to reflect the population of SC waterfowl hunters. A variety of questions were asked, including: 1) In which county do you live? 2) In which county do you most often hunt waterfowl? and 3) Do you support the creation of new waterfowl sanctuaries on public waters?

According to the survey 9% of the SC waterfowl hunters lived in Lexington Co., 8% in Richland Co., 2% lived in Newberry Co., and 1% lived in Saluda Co. A total of 20% of the waterfowl hunters in SC lived in the counties surrounding Lake Murray. 4% hunted most often in Lexington Co., 3% hunted most often in Newberry Co., 3% hunted most often in Richland Co., and 2% hunted most often in Saluda Co. so a total of 12% of SC waterfowl hunters hunted most often in the counties surrounding Lake Murray. There is, of course, other waterfowl habitat in these counties not connected with Lake Murray, but these data are heavily influenced by the presence of the lake and associated waterfowl habitat/wintering waterfowl. The survey instrument did not break down the third question by county, but 62% of the waterfowl hunters in SC were estimated to favor creation of new waterfowl sanctuaries.

2. SCDNR. 1998. A survey of FY 1997-1998 waterfowl stamp purchasers: a summary report. 35 pp.

This was an in-house produced instrument from a stratified, random sample of SC duck stamp purchasers. According to the survey 5.8% of the SC waterfowl hunters lived in Lexington Co., 8.0% lived in Richland Co., 1.5% lived in Newberry Co., and 0.5% lived in Saluda Co. A total of 15.8% of the waterfowl hunters in SC lived in the counties surrounding Lake Murray. 2.2% hunted most often in Lexington Co., 2.6% hunted most often in Newberry Co., 2.3% hunted most often in Richland Co., and 1.0% hunted most often in Saluda Co. so a total of 8.1% of SC waterfowl hunters hunted most often in the counties surrounding Lake Murray.

3. SCWMRD. 1989. SC waterfowl hunter questionnaire. Unpublished data.

This was an in-house, 100% one-time sampling of all SC duck stamp purchasers. According to the survey 4.10% of the SC waterfowl hunters lived in Lexington Co., 8.38% lived in Richland Co., 0.66% lived in Newberry Co., and 0.28% lived in Saluda Co. A total of 13.42% of the waterfowl hunters in SC lived in the counties surrounding Lake Murray. 4.10% hunted most often in Lexington Co., 2.16% hunted most often in Newberry Co., 2.48% hunted most often in Richland Co., and 0.52% hunted most often in Saluda Co. so a total of 7.35% of SC waterfowl hunters hunted most often in the counties surrounding Lake Murray.

4. SCWMRD. 1986. Waterfowl hunter questionnaire. Unpublished data.

This was an in-house, 100% one-time sampling of all SC duck stamp purchasers. According to the survey 4.2% of the SC waterfowl hunters lived in Lexington Co., 7.7% lived in Richland Co., 1.0% lived in Newberry Co., and 3.6% lived in Saluda Co. A total of 16.5% of the waterfowl hunters in SC lived in the counties surrounding Lake Murray. 1.5% hunted most often in Lexington Co., 1.6% hunted most often in Newberry Co., 2.3% hunted most often in Richland Co., and 0.5% hunted most often in Saluda Co. so a total of 5.9% of SC waterfowl hunters hunted most often in the counties surrounding Lake Murray. This instrument also asked a question about hunters

preferences for development of new waterfowl habitat, and 77.6% of Lexington Co. duck hunters wanted our agency to develop additional waterfowl habitat. Similar numbers in the other counties were noted: 79.6% of Newberry Co. duck hunters, 79.3% of Richland Co. duck hunters, and 70.6% of Saluda Co. duck hunters.

See the attached EXCEL file for a summary. Hope this meets your needs. Thanks,
Bob

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Are there any privacy restrictions involved?
Thanks,
Bob

Danielle Fitzpatrick

From: Marty Phillips
Sent: Tuesday, September 26, 2006 12:41 PM
To: 'Bob Perry'
Subject: RE: Duck Hunters Question

Bob,

Thank you so much for sending this and for all the effort you put in to preparing the summaries. I'll incorporate this information into our overall report.

Sincerely,

Marty

*Kleinschmidt Associates
75 Main Street P.O. Box 576
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4. SCWMRD. 1986. Waterfowl hunter questionnaire. Unpublished data.

This was an in-house, 100% one-time sampling of all SC duck stamp purchasers. According to the survey 4.2% of the SC waterfowl hunters lived in Lexington Co., 7.7% lived in Richland Co., 1.0% lived in Newberry Co., and 3.6% lived in Saluda Co. A total of 16.5% of the waterfowl hunters in SC lived in the counties surrounding Lake Murray. 1.5% hunted most often in Lexington Co., 1.6% hunted most often in Newberry Co., 2.3% hunted most often in Richland Co., and 0.5% hunted most often in Saluda Co. so a total of 5.9% of SC waterfowl hunters hunted most often in the counties surrounding Lake Murray. This instrument also asked a question about hunters preferences for development of new waterfowl habitat, and 77.6% of Lexington Co. duck hunters wanted our agency to develop additional waterfowl habitat. Similar numbers in the other counties were noted: 79.6% of Newberry Co. duck hunters, 79.3% of Richland Co. duck hunters, and 70.6% of Saluda Co. duck hunters.

See the attached EXCEL file for a summary. Hope this meets your needs. Thanks,
Bob

From: Marty Phillips [mailto:Marty.Phillips@KleinschmidtUSA.com]
Sent: Friday, September 01, 2006 1:01 PM
To: Bob Perry
Subject: RE: Duck Hunters Question

Thank you, Bob. I appreciate your assistance with this.

Don't worry too much about getting that to me today. Sometime within the next week or two would be fine.

Have a great weekend.

Marty

-----Original Message-----

From: Bob Perry [mailto:PerryB@dnr.sc.gov]
Sent: Friday, September 01, 2006 12:57 PM
To: Marty Phillips
Subject: FW: Duck Hunters Question

Hey Marty,
Here is the request I sent down to our license coordinator. Please let me know if you will want these names, etc. I will have the other data summarized today . . . I hope. Thanks,
Bob

From: Sandra Hartley

Danielle Fitzpatrick

From: Alison Guth
Sent: Wednesday, October 18, 2006 11:21 AM
To: Winward point Yacht Club ; Aaron Small; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; Amy Bennett; Andy Miller; Bertina Floyd; Bill Argentieri; Bill Brebner ; Bill East; Bill Green (BGreen@smeinc.com); Bill Hulslander; Bill Marshall; Bill Mathias; Bob Olsen; Bob Seibels (bseibels@yahoo.com); Brandon Stutts ; Bret Hoffman; Brett Bursey; btrump@scana.com; Bud Badr; Buddy Baker ; Charlene Coleman; Charles Floyd; Charlie Compton; Charlie Rentz; Chris Judge; Chris Page; Daniel Tufford; Dave Anderson; Dave Landis; David Allen; David Hancock; David Jones; David Price; Dick Christie; Don Tyler; Donald Eng; Ed Diebold; Ed Duncan (duncane@mrd.dnr.state.sc.us); Edward Schnepel; Feleke Arega (aregaf@dnr.sc.gov); George Duke; Gerrit Jobsis (American Rivers); Gina Kirkland; Guy Jones; Hal Beard; Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jeff Duncan; Jennifer O'Rourke; Jennifer Price ; Jennifer Summerlin; Jerry Wise; Jim Devereaux; Jim Glover; Jim Goller; Jim Ruane ; JoAnn Butler; Joe Logan; Joel Huggins ; John and Rob Altenberg; John Davis (johned44@bellsouth.net); John Frick (jsfrick@mindspring.com); Jon Leader; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Ken Styer ; Ken Uschelbec; Kenneth Fox; Kim Westbury; Kristina Massey; Larry Turner (turnerle@dhec.sc.gov); Lee Barber; Linda Lester ; Malcolm Leaphart; Marianne Zajac; Mary Kelly; Michael Murrell; Mike Duffy; Mike Sloan; Mike Summer (msummer@scana.com); Mike Waddell; Miriam Atria; Norm Nicholson; Norman Ferris; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Prescott Brownell; Randal Shealy; Randy Mahan; Ray Ammarell; Rebekah Dobrasko; Reed Bull (rbull@davisfloyd.com); Rhett Bickley; Richard Kidder; Richard Mikell; Robert Keener (SKEENER@sc.rr.com); Robert Lavisky; Roger Hovis ; Ron Ahle; Ronald Scott; Roy Parker; Russell Jernigan; ryanity@scana.com; Sandra Reinhardt; Sean Norris; Shane Boring; Skeet Mills ; Steve Bell; Steve Summer; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Theresa Thom; Tim Vinson; Tom Bowles (tbowles@scana.com); Tom Eppink; Tom Ruple; Tom Stonecypher; Tommy Boozer; Tony Bebbler; Valerie Marcil; Van Hoffman; Wade Bales (balesw@dnr.sc.gov); Wenonah Haire; Mike Schimpff
Subject: Presentations on the Web

Hello All,

I just wanted to inform everyone that the Alternative Generation Presentation as well as the Operations Model Presentation are both uploaded to the website and are located on the Operations RCG page. Thank you for your patience. Feel free to email me with any questions. Alison

<http://www.saludahydrorelicense.com/operations.htm>

Alison Guth
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

Danielle Fitzpatrick

From: Malcolm Leaphart [malcolml@mailbox.sc.edu]
Sent: Monday, October 23, 2006 3:22 PM
To: BARGENTIERI@scana.com
Cc: marshallb@dnr.sc.gov; tbeber@scprt.com; beardh@dnr.sc.gov; balesw@dnr.sc.gov; dchristie@infoave.net; mwaddell@esri.sc.edu; patrickm@scccl.org; gjobsis@americanrivers.org; Alison.Gurth@KleinschmidtUSA.com; RMAHAN@scana.com; Dave Anderson; Alan Stuart; Shane Boring
Subject: River

Bill,

I've heard second-hand that a 'barrier' of some kind was being considered at the old trestles just downstream from the dam for Homeland security reasons. Would you confirm that with some intentions, or set us straight if that is actually not being considered? The Recreation RCG would be an appropriate time to do that as blocking upstream access there is definitely a controversial issue that should be discussed with river recreationists. Thanks.

Danielle Fitzpatrick

From: Malcolm Leaphart [malcolml@mailbox.sc.edu]
Sent: Friday, October 27, 2006 12:09 PM
To: Alan Stuart; Dave Anderson
Subject: RE: River Barrier

Alan,

I wanted to make sure that both you and Dave had a copy of the following email exchange with Tommy. It might make the exchange with Carroll Lorick last night more meaningful as his unvarnished reaction is typical of many as the river barrier proposal is finally becoming known to those who will be the most affected, and upset as Mr. Lorick demonstrated.

I am glad Tommy is willing to discuss the issue, especially since it is an obvious one for the Recreation stakeholders along with other new areas not yet tackled. There needs to be reasoning why shutting off the river so far below the dam is necessary for security. There are no facilities from below the transmission lines all the way down to the trestle... just wooded riverbanks and one of the most productive striper fishing stretches in the country. And why deny the public that take the initiative to paddle or motor boat upstream the sight of the magnificent new structure from the water? It could be a signature photo op for the company instead of a "no man's land" as now proposed.

I just cannot repeat enough that the company would be much better served by being open and soliciting input, instead of moving along quietly with only permit notices to notify the public about such major proposals as sealing off a significant stretch of river. While legal, it is certainly not a smart PR move... And you are probably aware that many utilities make below their dams tourist attractions/destinations with parking, observation points, catwalks for fishing or observation areas, and even tours of the hydro facility to better tell about their company. I can reference Fontana Dam from personal experience as trips there as a kid with my folks was always anticipated and exciting, especially being so close to the thunderous water releases below the dam when generation was taking place. SCE&G would be smart to strongly consider that approach versus their 'top secret area - keep out' approach. And security would not have to be compromised at all with the proper design and other reasonable measures. Maybe they would listen to the idea better if it came from their consultants??

Quoting Malcolm Leaphart <malcolml@mailbox.sc.edu>:

> Thanks for your reply, Tommy. Obviously the permit flew right under
> everybody's radar and the comment period for the DHEC and Corps permits was
> missed... But that doesn't lessen its impact and the need to have it better
> known and discussed, especially in the relicensing process...
>
> I am glad to know that you are willing to discuss the plans, and that
> a final
>
> decision has not been made. I'm sure you know that this is an
> extremely
> volatile issue and your company would be greatly served to both solicit
> public
> comments with a much broader dissemination of what is proposed beyond the
> permitting process; and, to also put the issue on the table in the
> appropriate
> FERC meetings. It is disconcerting to say the least to participate in the
> relicensing process for over a year and not even know that a plan was in the
>
> works to block river access, especially so far downstream from the
> facilities.
>

> It definitely is a Recreation RCG issue, and a credible Fisheries
> issue too. I have noted before, we have still not discussed new access
> areas with the emphasis to date by that RCG and TWC on the site
> surveys and recreational flows. One of the requests to be proposed
> when new access areas are finally on
> the agenda will be for public facilities and access to the river near the dam
>
> which the public had for more than 60 years until it was shut off in
> the
> nineties. Dave Anderson indicates that new access proposals will be discussed
>
> in the future, and I am glad to know that a possible river barrier
> blocking
> boating access on the lower Saluda below the lake can be discussed then. As I
>
> noted before, everyone should be sensitive to your security concerns,
> but
> absolutely no more river access should be lost to the public than is
> absolutely necessary for that. Every inch of river is precious and
> irreplaceable...
>
> I would encourage that the plans be detailed to all of the RCGs in the
> near
> future. I did not mean to be insulting in any way, certainly not personally
> to
> anyone; but, by not presenting such a major issue with huge implications to
> date in the relicensing process, it makes it look as if the issue is being
> kept secret deliberately. It is definitely one that should be on the table
> during the process and I'm sure all will appreciate it reaching that point
> soon.
>
> Thanks again for your quick and cordial reply. I am honestly still not
> sure
> whether the relicensing is intended to be a consensus building or an input
> gathering process; but, getting all issues out and discussed will best serve
>
> all involved, regardless of what plans your company develop. Like me,
> I think
>
> that most of the stakeholders are making sacrifices of time, energy,
> and money to attend and participate. All we ask is that all issues be
> on the table and
>
> discussed with open minds. So, again your willingness to discuss an
> issue
> initially declined as an agenda topic this week is appreciated.
>
>
>
> Quoting "BOOZER, THOMAS C" <TBOOZER@scana.com>:
>
> > Malcolm this permit was obtained by going through the DHEC and Corps
> > public permitting process. It went through the DEHC public
> > notification process and was reviewed by the Corps staff. The
> > project was initiated by the SCE&G security dept. and evaluated
> > based on Federal guidelines concerning Home Land Security. As far as
> > the end run comment, this permit was issued on August 21, 2004
> > before any stakeholder groups were established. We are still
> > evaluating whether to install the barrier at this time. SCE&G will
> > evaluate everyone's concerns in this issue and base our decision on
> > safety and plant security. We fully understand that some people use
> > this section of the river and their access would be impacted. We
> > would be glad to discuss this issue with you at anytime. Thanks
> > Tommy
> >
> >
> > -----Original Message-----

> > From: Malcolm Leaphart [mailto:malcolml@mailbox.sc.edu]
> > Sent: Wednesday, October 25, 2006 9:01 AM
> > To: EPPINK, THOMAS G; BOOZER, THOMAS C
> > Subject: Fwd: RE: River Barrier
>
>
> Tommy and Tom: I noticed you were both not on the distribution for
> this
> exchange with Bill A. and am forwarding it to you. I hope both of you
> gentlemen will contribute your wise counsel to this issue, and will keep
> in mind that every foot of river is precious to the public and that no more
> of it should be taken from them than what is absolutely necessary for
> reasonable security of the hydro and coal facilities. And not discussing this
>
> issue with the public and the stakeholder groups will certainly make
> it appear as if an 'end run' is being made... That would be the direct
> opposite from the
> open > relicensing process. Thanks for your consideration of different
> viewpoints.
>
>
> >
> > ----- Forwarded message from Malcolm Leaphart
> > <malcolml@mailbox.sc.edu>
> > -----
> > Date: Tue, 24 Oct 2006 16:10:15 -0400
> > From: Malcolm Leaphart <malcolml@mailbox.sc.edu>
> > Reply-To: Malcolm Leaphart <malcolml@mailbox.sc.edu>
> > Subject: RE: River
> > To: "ARGENTIERI, WILLIAM R" <BARGENTIERI@scana.com>
> >
> > Thanks, Bill, for your reply. I don't think many will question the
> > need for adequate security for the hydro and coal plants. Boaters
> > however
> > should
> > not be high risks and the problems with them that you described are
> > legitimate management concerns, but are not reasons to completely
> > close off a
> > public waterway. Most citizens will understand the need for
> > reasonable and common-sensical security measures or barriers; so,
> > the real question will
> > be
> > the location of a barrier to upstream boating and recreation
> > immediately below the dam... To the public, a barrier of 50 yards or
> > so downstream from the transmission lines below the plants would
> > make sense; but closing anything
> >
> > beyond there to the public in such a significant stretch of this
> > irreplaceable public waterway would not make sense or be fair at all;
> > and, would surely bring strong opposition and ill-will - especially if
> > done without any public
> >
> > input.
> > I encourage SCE&G to discuss the issue openly, both with the public
> > at large, and especially in the relicensing meetings where you
> > already have a significant and credible stakeholder group. An open
> > exchange would
> > definitely
> > help to formulate the best long range policy for security and identify a
> > reasonable stretch of river to be taken away from the public to
> > ensure
> > plant
> > safety. As in the case of the new sirens that were installed without
> > significant public input, formulating your plans after hearing from
> > the public would produce better plans - rather than fielding
> > complaints about the
> > intrusive new sirens as installed.

> > I have boated and fished this stretch of the lower Saluda for years
> > along with many others, paddling for pleasure and chasing trout in
> > the
> winter and stripers in the spring and summer. Ever foot of it needs to
> be
> carefully evaluated to be sure that it is absolutely vital to securing your
> > operations.
> > The presence of the old trestle as a possible construction cost savings
> > is not a valid consideration to the public for it to be a downstream
> barrier
> > point.
> > And the thinking for the stretch of river to be lost to the public must
> > be carefully thought out and reasonable for the security gains versus the
> > drastic, complete loss of such a beautiful and significant stretch of
> > river. Again, you can only formulate such plans with public input, and I
> hope
> > you and the other managers will give serious thought to doing this.
> >
> >
> > Quoting "ARGENTIERI, WILLIAM R" <BARGENTIERI@scana.com>:
> >
> > > Malcolm,
> > >
> > >
> > >
> > > Most hydro dams have exclusion areas in the vicinity of the
> > > discharge structures. We just never did in the past. The old
> > > warning signs are universally ignored. Too often, we have to tell
> > > folks not to anchor right in front of the penstocks, etc. And yet
> > > we still end up dealing with folks who get into trouble because
> > > they got to near the dam when
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> > > have to generate. Believe it or not, as a critical
> > > infrastructure,
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> > > dam is the object of special homeland security focus, enforced by
> > > FERC security efforts, and this is consistent with the pressure we
> > > get to maintain an appropriate exclusionary distance from the dam
> > > and powerhouse. We also have a coal fired power plant accessible
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> > > water quality across the river rather than next to the bank
> > > farthest from Unit 5, as is the case now. And, we need to be able
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> > > out of that area for equipment protection and safety as well. We
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> > > positive boat barrier. And finally, the old trestle bulwarks
> > > provide good anchorage for the new boat barrier and are downstream
> > > of the USGS gage. As long as this is a homeland security issue it
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> > > relicensing. If it solely becomes a safety and equipment
> > > protection issue, than we might
> > be
> > > able to discuss it in the RCGs. I will let you know if the status
> > > changes.
> > >
> > >
> > >
> > >

Danielle Fitzpatrick

From: Malcolm Leaphart [malcolml@mailbox.sc.edu]
Sent: Tuesday, October 24, 2006 4:10 PM
To: BARGENTIERI@scana.com
Cc: marshallb@dnr.sc.gov; tbeber@scprt.com; beardh@dnr.sc.gov; balesw@dnr.sc.gov; dchristie@infoave.net; mwaddell@esri.sc.edu; patrickm@scccl.org; gjobsis@americanrivers.org; Alison.Gurth@KleinschmidtUSA.com; RMAHAN@scana.com; Dave Anderson; Alan Stuart; Shane Boring; bellsteve9339@bellsouth.net
Subject: RE: River

Thanks, Bill, for your reply. I don't think many will question the need for adequate security for the hydro and coal plants. Boaters however should not be high risks and the problems with them that you described are legitimate management concerns, but are not reasons to completely close off a public waterway. Most citizens will understand the need for reasonable and common-sensical security measures or barriers; so, the real question will be the location of a barrier to upstream boating and recreation immediately below the dam...

To the public, a barrier of 50 yards or so downstream from the transmission lines below the plants would make sense; but closing anything beyond there to the public in such a significant stretch of this irreplaceable public waterway would not make sense or be fair at all; and, would surely bring strong opposition and ill-will - especially if done without any public input.

I encourage SCE&G to discuss the issue openly, both with the public at large, and especially in the relicensing meetings where you already have a significant and credible stakeholder group. An open exchange would definitely help to formulate the best long range policy for security and identify a reasonable stretch of river to be taken away from the public to ensure plant safety. As in the case of the new sirens that were installed without significant public input, formulating your plans after hearing from the public would produce better plans - rather than fielding complaints about the intrusive new sirens as installed.

I have boated and fished this stretch of the lower Saluda for years along with many others, paddling for pleasure and chasing trout in the winter and stripers in the spring and summer. Ever foot of it needs to be carefully evaluated to be sure that it is absolutely vital to securing your operations. The presence of the old trestle as a possible construction cost savings is not a valid consideration to the public for it to be a downstream barrier point. And the thinking for the stretch of river to be lost to the public must be carefully thought out and reasonable for the security gains versus the drastic, complete loss of such a beautiful and significant stretch of river. Again, you can only formulate such plans with public input, and I hope you and the other managers will give serious thought to doing this.

Quoting "ARGENTIERI, WILLIAM R" <BARGENTIERI@scana.com>:

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>
>
>
> Bill
>
>
>
> -----Original Message-----
> From: Malcolm Leaphart [mailto:malcolml@mailbox.sc.edu]
> Sent: Monday, October 23, 2006 3:22 PM
> To: ARGENTIERI, WILLIAM R
> Cc: marshallb@dnr.sc.gov; tbebbert@scprt.com; beardh@dnr.sc.gov;
> balesw@dnr.sc.gov; dchristie@infoave.net; mwaddell@esri.sc.edu;
> patrickm@scccl.org; gjobsis@americanrivers.org;
> Alison.Gurth@KleinschmidtUSA.com; MAHAN, RANDOLPH R;
> Dave.Anderson@KleinschmidtUSA.com; Alan.Stuart@KleinschmidtUSA.com;
> shane.boring@KleinschmidtUSA.com
> Subject: River
>
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Danielle Fitzpatrick

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Sent: Tuesday, October 24, 2006 9:11 AM
To: Malcolm Leaphart
Cc: marshallb@dnr.sc.gov; tbeber@scprt.com; beardh@dnr.sc.gov; balesw@dnr.sc.gov; dchristie@infoave.net; mwaddell@esri.sc.edu; patrickm@scccl.org; gjobsis@americanrivers.org; Alison.Gurth@KleinschmidtUSA.com; RMAHAN@scana.com; Dave Anderson; Alan Stuart; Shane Boring
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Cc: marshallb@dnr.sc.gov; tbeber@scprt.com; beardh@dnr.sc.gov; balesw@dnr.sc.gov; dchristie@infoave.net; mwaddell@esri.sc.edu; patrickm@scccl.org; gjobsis@americanrivers.org; Alison.Gurth@KleinschmidtUSA.com; MAHAN, RANDOLPH R; Dave.Anderson@KleinschmidtUSA.com; Alan.Stuart@KleinschmidtUSA.com; shane.boring@KleinschmidtUSA.com
Subject: River

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11/11/2007

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issue that should be discussed with river recreationists. Thanks.

Select SC Waterfowl Hunter Data Revealed Through Survey Instruments

Percent of SC Waterfowl Hunters Residing in Lake Murray Associated Counties

Survey Year	Lexington	Newberry	Richland	Saluda	Total
2005	9.00	2.00	8.00	0.00	19.00
1998	5.80	1.50	8.00	0.50	15.80
1989	4.10	0.66	8.38	0.28	13.42
1986	4.20	1.00	7.70	3.60	16.50
Average	5.78	1.29	8.02	1.10	16.18

Percent of SC Waterfowl Hunters Hunting in Lake Murray Associated Counties

Year	Lexington	Newberry	Richland	Saluda	Total
2005	4.00	3.00	3.00	2.00	12.00
1998	2.20	2.60	2.30	1.00	8.10
1989	2.19	2.16	2.48	0.52	7.35
1986	1.50	1.60	2.30	0.50	5.90
Average	2.47	2.34	2.52	1.01	8.34

Danielle Fitzpatrick

From: George Duke [kayakduke@bellsouth.net]
Sent: Thursday, February 23, 2006 10:58 AM
To: Dave Anderson
Subject: vision

Dave;

I recieved your assignment and have added some other comments along with a lame vison statement. I was able to get the documents in rich text so my comments are attached

George Duke

From: Alison Guth
Sent: Monday, November 13, 2006 4:51 PM
To: Winward point Yacht Club ; Aaron Small; Alan Axson; Alan Stuart; Alison Guth; Amanda Hill; Amy Bennett; Andy Miller; Bertina Floyd; Bill Argentieri; Bill Brebner ; Bill East; Bill Green (BGreen@smeinc.com); Bill Hulslander; Bill Marshall; Bill Mathias; Bob Olsen; Bob Seibels (bseibels@yahoo.com); Brandon Stutts ; Bret Hoffman; Brett Bursey; btrump@scana.com; Bud Badr; Buddy Baker ; Charlene Coleman; Charles Floyd; Charlie Compton; Charlie Rentz; Chris Judge; Chris Page; Daniel Tufford; Dave Anderson; Dave Landis; David Allen; David Hancock; David Jones; David Price; Dick Christie; Don Tyler; Donald Eng; Ed Diebold; Ed Duncan (duncane@mrd.dnr.state.sc.us); Edward Schnepel; Feleke Arega (aregaf@dnr.sc.gov); George Duke; Gerrit Jobsis (American Rivers); Gina Kirkland; Guy Jones; Hal Beard; Hank McKellar; Irvin Pitts (ipitts@scprt.com); Jeff Duncan; Jennifer O'Rourke; Jennifer Price ; Jennifer Summerlin; Jerry Wise; Jim Devereaux; Jim Glover; Jim Ruane ; JoAnn Butler; Joe Logan; Joel Huggins ; John and Rob Altenberg; John Davis (johned44@bellsouth.net); John Frick (jsfrick@mindspring.com); Jon Leader; Joy Downs; Karen Kustafik; Keith Ganz-Sarto; Ken Styer ; Ken Uschelbec; Kenneth Fox; Kim Westbury; Kristina Massey; Larry Turner (turnerle@dhec.sc.gov); Lee Barber; Linda Lester ; Linda Schneider ; Malcolm Leaphart; Marianne Zajac; Mary Kelly; Michael Murrell; Mike Duffy; Mike Sloan; Mike Summer (msummer@scana.com); Mike Waddell; Miriam Atria; Norm Nicholson; Norman Ferris; Parkin Hunter; Patricia Wendling; Patrick Moore; Phil Hamby ; Prescott Brownell; Randal Shealy; Randy Mahan; Ray Ammarell; Rebekah Dobrasko; Reed Bull (rbull@davisfloyd.com); Rhett Bickley; Richard Kidder; Richard Mikell; Robert Keener (SKEENER@sc.rr.com); Robert Lavisky; Roger Hovis ; Ron Ahle; Ronald Scott; Roy Parker; Russell Jernigan; ryanity@scana.com; Sandra Reinhardt; Sean Norris; Shane Boring; Skeet Mills ; Steve Bell; Steve Summer; Suzanne Rhodes; Theresa Powers (tpowers@newberrycounty.net); Theresa Thom; Tim Vinson; Tom Bowles (tbowles@scana.com); Tom Eppink; Tom Ruple; Tom Stonecypher; Tommy Boozer; Tony Bebber; Valerie Marcil; Van Hoffman; Wade Bales (balesw@dnr.sc.gov); Wenonah Haire; Mike Schimpff

Subject: Final Meeting Notes - All RCG's Meeting

Hello All,

Attached is the final set of meeting notes from the October 12th All RCG's Meetings. Thanks,
Alison



2006-10-12 final
Meeting Minut...

A [Alison Guth](#)
Licensing Coordinator
Kleinschmidt Associates
101 Trade Zone Drive
Suite 21A
West Columbia, SC 29170
P: (803) 822-3177
F: (803) 822-3183

MEETING NOTES

**SOUTH CAROLINA ELECTRIC & GAS COMPANY
SALUDA HYDRO PROJECT RELICENSING
All RCGs Operations Meeting**

**Saluda Shoals Park
October 12, 2006**

Final acg 11-13-06

ATTENDEES:

Alison Guth, Kleinschmidt Associates	Shane Boring, Kleinschmidt Associates
Alan Stuart, Kleinschmidt Associates	Dave Anderson, Kleinschmidt Associates
David Price, LM Power Squadron	Amy Bennett, SCDHEC
Kim Westbury, Saluda County	Jim Ruane, REMI
Bret Hoffman, Kleinschmidt Associates	Trisha Priester, Lexington County
Ronald Scott, Lexington County	Andy Miller, SCDHEC
Patrick Moore, CCL, AR	Reed Bull, Midlands Striper Club
Ron Ahle, SCDNR	Brandon Stutts, SCANA Services
Kristina Massey, Kleinschmidt Associates	Mike Schimpff, Kleinschmidt Associates
Bob Olson, NRE	Tom Bowles, SCE&G
Jenn O'Rourke, SCWF	Richard Mikell, Adventure Carolina
Dick Christie, SCDNR	Bob Perry, SCDNR
Jeff Duncan, NPS	Theresa Thom, NPS
Tony Bebbler, SCPRT	Ed Schnepel, LMA
Tom Ruple, LMA	Ed Diebold, Riverbanks Zoo
Bob Seibels, Riverbanks Zoo	Jon Quebbeman, Kleinschmidt Associates
Bill Argentieri, SCE&G	Mike Waddell, Saluda TU
Karen Kustafik, CoC Parks & Rec	Amanda Hill, USFWS
Bill Brebner, YCOA	Kenneth Fox, LMA
Roy Parker, LMA	Bob Keener, LMA & LMSCA
Steve Summer, SCANA Services	Bud Badr, SCDNR
Randy Mahan, SCANA Services	Bob Keener, LMA
Ray Ammarell, SCE&G	

MEETING NOTES:

These notes serve to be a summary of the major points presented during the meeting and are not intended to be a transcript or analysis of the meeting.

Alan Stuart of Kleinschmidt Associates welcomed the group and noted that the purpose of this meeting was to introduce two items to the RCG members, a presentation on the research SCE&G has done on Alternative Energy Sources, and secondly to discuss the HEC-ResSim Operations Model. Alan noted that in order to aid in the understanding of hydrology when discussing the model, Dr. Bud Badr would also be providing the group with a hydrology 101 presentation. Subsequent to Alan's introduction, the following presentations were given (click below to view)

MEETING NOTES

SOUTH CAROLINA ELECTRIC & GAS COMPANY SALUDA HYDRO PROJECT RELICENSING All RCGs Operations Meeting

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Alternative Energy Source Presentation – *Carl Hoadley & Skip Smith SCE&G:*
<http://www.saludahydrorelicense.com/documents/ALTERNATIVEGENERATION.pdf>

An Understanding Of Hydrology – *Dr. Bud Badr : Coming Soon*

Discussion On The HEC-ResSim Operations Model – *Mike Schmipff & Jon Quebbeman – Kleinschmidt Associates :* <http://www.saludahydrorelicense.com/documents/SaludaProject10-12a.pdf>

Following the presentation on Alternative Generation, the floor was opened up for questions. One individual asked how the reliability numbers presented in the presentation were calculated. Carl H. replied that in order to calculate those numbers, they looked at forced outage rates, routine maintenance, as well as industry numbers. Bill A. also explained that many of the equipment cost numbers come from recent numbers that the vendors supplied. The group also briefly discussed how future demands will be fulfilled. One individual asked if SCE&G has evaluated how Saluda may be used in the future. Steve S. replied that SCE&G is looking at fulfilling future capacity needs through a nuclear station. There was also brief discussion regarding the use of Saluda over the past year. Bill A. explained that last year SCE&G tried to keep the lake level up around 358' and because of this, they had to get rid of the rainwater that entered the system rapidly to avoid exceeding the normal high water level. Due to problems with some of the other units at Saluda, Unit 5 was run to expel the excess rainwater. Reed B. also asked if there was any way to look at how Saluda was used for reserve in the past in order to predict how Saluda may be used for reserve in the future. Randy M. noted that because of the unpredictable nature of reserve calls, it would be difficult to forecast how often they may be called upon for reserve in the future. Patrick Moore asked if the alternatives analysis had considered partial replacement of only 50 or 100 MW because the most problematic impacts occurred at high flows. Bill A. replied that the Code of Fed. Regulations only required the full replacement cost analysis and that no partial analysis had been done. Later in the meeting Patrick commented that the 34 million dollar relicensing cost cap was an internal, SCE&G figure and that it in no way limited what SCE&G would be required to spend to address project impacts. He cited a recent court of appeals case that stated FERC has no obligation to issue an economically viable license.

After a short break, Dr. Bud Badr gave a presentation on hydrology to the group. There were no questions following Dr. Badr's presentation.

The next presentation was given by Mike Schmipff and Jon Quebbeman on the HEC-ResSim model developed for Saluda. The presentation can be viewed from the link above. Mike S. explained that the HEC-ResSim model was used for Lake Murray and was incorporated with the HEC-Ras model for the lower Saluda River. The floor was open for questions throughout the presentation. Tony B. noted that in the last 16 years he doesn't believe there have been any major flood events, and asked if something was built into the model to account for this. Mike S. explained that this being a water

MEETING NOTES

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allocation model, he was not as concerned about the high flow times because water can be allocated for all the needs. He noted that the concern lies in the low flow times. Jeff D. asked if data from the Catawba Wateree model could be integrated into the Saluda model. Jon Q. noted that it was possible to add in other data to the model, however he noted that he did not believe it would be necessary or appropriate to add the Catawba data in.

The group began to discuss in a little more detail the constraints to be developed by the Resource Conservation Groups. Dave A. asked if the flows in the lower Saluda River can be calculated at the gage by the Zoo. Jon Q. replied that it could. Dave A. also asked if the model could predict what would happen when Saluda is used for reserve. Jon Q. explained that they were going to handle this by adding in, for example, 200 MW, 1 day a month, for 24 hours. Dave A. asked how the constraints will be obtained from the Resource Conservation Groups. Jon Q. noted that it depended on the RCGs time schedule, once an RCG makes a recommendation for the model, he could input the data. Ron A. added that he believed that instream flows would be the last input to the model. Mike S. and Jon Q. concluded their presentation and the group adjourned.