

COMMONWEALTH OF KENTUCKY

IN RE: KENTUCKY RIVER AUTHORITY

MEETING NO. 174

March 18, 2015
1:00 P.M.
Bush Building
403 Wapping Street
Frankfort, Kentucky

APPEARANCES

Ms. Clare Sipple
CHAIR

Mr. Paul Gannoe (Proxy)
Finance & Administration Cabinet
Mr. Tom Gabbard (Proxy)
Energy & Environment Cabinet
Mr. Houston Wells
Mr. James Stickney
Mr. Rodney Simpson
Mr. James Kay
Mr. Herbbie Bannister
Mr. Warner Caines
Mr. Harold Rainwater
KENTUCKY RIVER AUTHORITY

Mr. Jerry Graves
EXECUTIVE DIRECTOR

CAPITAL CITY COURT REPORTING

TERRI H. PELOSI, COURT REPORTER

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(502) 223-1118

APPEARANCES
(Continued)

Ms. Sue Ann Elliston
Ms. Jennie Wolfe
Mr. David Hamilton
Mr. Tom Russell
Mr. Bobby Webb
Mr. Josh Moore
Mr. Steve Broughton
Mr. Duane Hall
Mr. Barry Dixon
Mr. Jeremy Cartwright
KRA STAFF

Mr. David Brown Kinloch
Mr. Daniel Gilbert
Ms. Mary Kozak
Mr. Tom Ruby
Mr. Mike Flynn
Mr. John Brady
Ms. Carol Smothermon
Mr. Josh Morgan
Mr. Robert Hutton
GUESTS

AGENDA

Motions	4 - 6
1. Call to Order	7
2. Approval of KRA Minutes #173 and Introduction of Lockmasters.....	7 - 9
3. Financial Report - Jennie Wolfe	9 - 16
4. Consideration of Lease Agreements for Dams 7, 8, 11 and 12 - Sue Elliston	16 - 24
5. Presentation and Consideration for the Renewal of the Streamgauge Network Agreement with USGS - Tom Ruby	24 - 55
6. Consideration of Public Officials Liability Insurance - Jerry Graves.....	55 - 56
7. Discussion and Consideration to hire two temporary summer employees - Jerry Graves ...	56 - 59
8. Report and Discussion on Recreation Committee - Clare Sipple	59 - 69
9. Engineer's Report - David Hamilton	69 - 78
10. Executive Director's Report - Jerry Graves ..	78 - 82
11. Chairperson's Report - Clare Sipple.....	82 - 87
12. Adjourn	87
Court Reporter's Certificate	88

MOTIONS

**MOTION TO APPROVE MINUTES OF
MEETING #173.....PAGE 7, LINE 23**

CHAIR SIPPLE: Is there any other addition or subtraction from the minutes? No further discussion. Could I have a motion to approve the minutes?

MR. WELLS: So move.

MR. SIMPSON: I'll second.

CHAIR SIPPLE: That was Houston Wells and Rodney Simpson. All those in favor, signify by saying aye. Any opposed? The minutes are approved.

**MOTION TO APPROVE FINANCIAL
REPORTPAGE 15, LINE 22**

CHAIR SIPPLE: Thank you. Any other questions? Can I have a motion, then, to approve the financials?

MR. RAINWATER: So moved.

CHAIR SIPPLE: Mayor Rainwater has made the motion. Do we have a second?

MR. STICKNEY: Second.

CHAIR SIPPLE: A second by Jack Stickney. Any comments? All those in favor, signify by saying aye. Any opposed? Thank you, Jennie. The Financial Report is approved.

**MOTION TO APPROVE LEASE
AGREEMENT FOR DAMS 7, 8,
11 & 12.....PAGE 24, LINE 3**

CHAIR SIPPLE: So, do we have a motion to approve these contracts, these lease agreements?

MR. WELLS: So moved.

CHAIR SIPPLE: We have a motion to approve. Do we have a second?

MR. KAY: Second.

CHAIR SIPPLE: We have a second by James Kay. Any further discussion? All those in favor, signify by saying aye. Any opposed? Motion carries.

**MOTION TO APPROVE RENEWAL OF
STREAMGAGE NETWORK AGREEMENT
WITH USGSPAGE 55, LINE 5**

CHAIR SIPPLE: We do need a motion to accept this.

MR. WELLS: I will make that motion.

MR. STICKNEY: And I'll second it.

CHAIR SIPPLE: Second. Do we have any further discussion? All those who would like to renew the streamgage network agreement with the USGS, please signify by saying aye. Any opposed? Motion carries.

**MOTION TO APPROVE PUBLIC
OFFICIALS' LIABILITY
INSURANCE..... PAGE 56, LINE 15**

MR. RAINWATER: So moved.

CHAIR SIPPLE: Mayor Rainwater has made the motion to accept this. Do we have a second?

MR. WELLS: Second.

CHAIR SIPPLE: Second by the Judge. All those in favor, signify by saying aye. Any opposed? It passes.

**MOTION TO APPROVE HIRING
TWO TEMPORARY SUMMER
EMPLOYEESPAGE 59, LINE 14**

MR. SIMPSON: I make a motion to approve Jerry's request for two temporary employees for the summer.

MR. BANNISTER: Second.

CHAIR SIPPLE: And we have a second. Any further discussion? All those in favor, signify by saying aye. Any opposed?

**MOTION TO ACCEPT REPORT
OF RECREATION COMMITTEE
AND APPROVE DISBURSEMENT
OF FUNDS.....PAGE 69, LINE 6**

CHAIR SIPPLE: Do we have a motion to accept this report and go forward with disbursing some of these funds?

MR. BANNISTER: So moved.

MR. WELLS: Second.

CHAIR SIPPLE: We have a motion and a second. Any further discussion? All those in favor, signify by saying aye. Any opposed?

MOTION TO ADJOURNPAGE 87, LINE 8

MR. WELLS: I move to adjourn.

MR. SIMPSON: Second.

CHAIR SIPPLE: All those in favor, signify by saying aye.

1 CHAIR SIPPLE: It's one o'clock
2 and I'd like to call this meeting to order. This is
3 Kentucky River Authority Meeting No. 174. Sue, would
4 you please call the roll and then we'll introduce the
5 guests, please.

6 (ROLL CALL)

7 MS. ELLISTON: We do have a
8 quorum.

9 CHAIR SIPPLE: Good. Thank you.
10 I would like to have everybody, starting with Mike, go
11 around the room and tell us who our guests are, please.

12 (INTRODUCTION OF GUESTS AND STAFF)

13 CHAIR SIPPLE: We'll introduce the
14 lockmasters here after we do the approval of minutes.
15 Has everyone had a chance to read the minutes from
16 Meeting 173?

17 I do have a comment to make here.
18 We had a Special-Called Meeting and we did not receive
19 an email copy of the minutes. So, I've asked Sue to
20 send those out. So, we will just be approving the
21 minutes from Meeting 173 and not from our Special-Called
22 Meeting.

23 Is there any other addition or
24 subtraction from the minutes? No further discussion.
25 Could I have a motion to approve the minutes?

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MR. WELLS: So move.

MR. SIMPSON: I'll second.

CHAIR SIPPLE: That was Houston Wells and Rodney Simpson. All those in favor, signify by saying aye. Any opposed? The minutes are approved.

We're going to break from the agenda just briefly. I'd like to introduce our lockmasters for everybody. They said their names as we went through but we do have some new lockmasters. And, so, I'd like for you guys to stand up and let Jerry introduce you.

MR. GRAVES: I would like to take the opportunity and let you know something. In the past year, we've lost seventy years of experience with our lockmasters. We had two retirees last June and one death this past December. Some of these guys started out as temps. Some of these guys were just hired recently.

And, so, I'd like for Sue - Sue Elliston is who is in charge of these guys - to introduce them. Right now they're housed at Lock 4, but if you're a boater, hopefully you'll see them between 1 and 4. These are the guys that are the backbone of our organization. These are the guys that get their hands dirty and put up with me. So, Sue, if you don't mind

1 introducing your guys.

2 MS. ELLISTON: I'm just going to
3 start with who is going to be where this summer. Duane
4 Hall is going to be at Lock and Dam No. 1. Barry Dixon
5 is going to be at Lock and Dam No. 2. Steve Broughton
6 is going to be at Lock and Dam No. 3. Josh Moore is
7 going to be at Lock and Dam No. 4. Jeremy Cartwright,
8 we're going to have him going a little bit of
9 everywhere. So, you're liable to see him at 1 through
10 4. He's the last to be hired, so, we've got to get him
11 trained.

12 And what we're probably going to
13 do is we're going to start switching these guys around a
14 little bit so they will be familiar with each lock and
15 dam because each one of them are a little bit different.
16 That's mainly going to be their station but we'll start
17 switching them around some. So, they may not be at that
18 lock when you come down but they will be at one of them.
19 And all of you know Bobby Webb.

20 MS. SIPPLE: Jennie, can you give
21 us the Financial Report, please.

22 MS. WOLFE: Today I'm going to
23 cover the Financial Reports for November, December,
24 January and February.

25 In November, the Tier I fee

1 receipts were \$204,460.27, interest income was \$68.27,
2 for a total revenue in the Tier I Fund of \$204,518.54.

3 Expenditures for the month
4 included normal salary and operating expense of
5 \$53,855.03. The Tier I Fund ended the month of November
6 with a cash balance of \$1,091,381.78.

7 The Tier II fee receipts in
8 November were \$839,164.07. Interest income was \$169.99.
9 Total revenue for November in the Tier II Fund was
10 \$839,334.06. The Tier II Fund ended the month with a
11 cash balance of \$3,332,057.98.

12 In the Equipment Replacement Fund,
13 we had revenue of \$2,227 and expenditure of \$80, and the
14 fund ended the month with a cash balance of \$43,326.26.

15 The General Fund expenditures
16 included salary and operating expense of \$17,568.28 and
17 ended the month with a balance of \$140,246.08.

18 In the Capital Construction Funds
19 in November, the Dam 8 Fund had expenditures of
20 \$529,162.66 and ended the month with a balance of
21 \$7,269,434.13.

22 The Lock 1 and 2 Fund had
23 expenditures of \$382,534.71 and ended with a balance of
24 \$2,139,960.35.

25 The Interest Earning Capital Fund

1 had interest income of \$598.33 and ended with a balance
2 of \$24,497.66.

3 In December, the Tier I fee
4 receipts were \$23,791.37. Interest income was \$83.79.
5 The total revenue in the Tier I Fund in December was
6 \$23,875.16. Expenditures for the month were \$83,824.05
7 and included normal salary and operating expense along
8 with payments to UK and USGS. That fund ended the month
9 with a balance of \$1,031,432.89.

10 The Tier II fee receipts in
11 December were \$1,875.80, interest income was \$234.18 for
12 a total revenue of \$2,109.98.

13 There was a quarterly debt service
14 payment made on December 15th for \$605,487.08, and the
15 fund ended the month with a balance of \$2,728,680.88.

16 In December, the General Fund had
17 a normal salary and operating expense of \$19,231.49 and
18 ended the month with a balance of \$121,014.59.

19 In the Capital Construction Funds
20 in December, the Lock 1 and 2 project had expenses of
21 \$835,571.84 and ended the month with a balance of
22 \$1,304,388.51.

23 The Interest Earning Capital Fund
24 had interest income of \$741.03 and ended the month with
25 a cash balance of \$25,238.69.

1 In January, the Tier I fee
2 receipts were \$9,982.59. Interest income was \$56.66 and
3 the annual rental income for the Lock 7 Hydro was
4 \$8,300. The total revenue in the Tier I Fund in January
5 was \$18,339.25.

6 There was normal salary and
7 operating expense along with payments to UK and USGS for
8 total expenditures of \$99,963.45. The Tier I Fund ended
9 the month of January with a cash balance of \$949,808.69.

10 The Tier II fee receipts in
11 January were \$72,801.56. Interest income was \$156.80.
12 Total Tier II revenue in January was \$72,958.36. The
13 fund ended the month with a cash balance of
14 \$2,801,639.24.

15 The Equipment Replacement Fund had
16 revenue of \$414.40 for the sale of scrap metal. In
17 December, the Kentucky River Authority purchased a new
18 25-foot gooseneck trailer. Half the trailer purchase
19 was paid for from the Equipment Replacement Fund - that
20 was \$3,087.50 - and the other half was paid from the
21 General Fund. The Equipment Replacement Fund ended the
22 month with a balance of \$40,653.16.

23 The General Fund had normal salary
24 and operating expenses of January along with the half of
25 the gooseneck trailer purchase for total expenditures of

1 \$28,659 and ended the month with a balance of
2 \$92,355.59.

3 For the Capital Construction Funds
4 in January, the Dam 8 project had expenses of
5 \$209,340.67 and ended the month with a balance of
6 \$7,060,093.46. The Lock 1 and 2 project had expenses of
7 \$263,555.04 and ended the month with a balance of
8 \$1,040,833.47.

9 The Interest Earning Capital Fund
10 had interest income of \$483.10 and ended the month with
11 a balance of \$25,721.79.

12 The Lock 4 Lockhouse Renovation
13 Fund had expense of \$978.50 for a lead paint test and
14 ended the month with a balance of \$2,256.50.

15 In February, the Tier I fee
16 receipts were \$147,508.65, interest income was \$56.36
17 for total revenue in February in the Tier I Fund of
18 \$147,565.01.

19 Expenditures for the month were
20 \$76,316.62 and that's including normal salary and
21 operating expense, along with a payment to UK and also
22 the APA for the annual Kentucky River Authority audit.
23 The Tier I Fund cash balance at the end of February was
24 \$1,021,057.08.

25 The Tier II fee receipts in

1 February were \$582,010.89. Interest income was \$178.73.
2 Total revenue in the Tier II Fund was \$582,189.62. The
3 ending cash balance was \$3,383,828.86.

4 The Equipment Replacement Fund had
5 no activity in February.

6 The General Fund had expenditures
7 of \$17,550.66 and this included normal salary and
8 operating expense. The General Fund ended the month of
9 February with a balance of \$74,804.93.

10 For the Capital Construction Funds
11 in February, the Lock 1 and 2 project had expenditures
12 of \$247,746.90 and ended the month with a cash balance
13 of \$793,086.57.

14 The Interest Earning Capital Fund
15 had interest income of \$486.55 in February and ended the
16 month with a cash balance of \$26,208.44.

17 On February 2nd, the quarterly
18 water user invoices were mailed out for the quarter
19 ending December 31, 2014. The total amount billed in
20 Tier I was \$215,745, the total amount billed in Tier II
21 was \$763,025, for a total of \$978,590 for the quarter.

22 Of that amount, all Tier II fees
23 have been collected to date and there's a little over
24 \$8,000 outstanding in the Tier I Fund. The amount
25 billed for that quarter was comparable to the same

1 quarter in 2013.

2 The total water user fees
3 outstanding for all quarters in this fiscal year in the
4 Tier I Fund is \$10,327 and in the Tier II Fund \$1,500.
5 The next quarterly billing will be mailed out on May
6 1st, and that's all I have if there's no questions.

7 CHAIR SIPPLE: Jennie, I had one
8 question. In your January and December General
9 Operations Fund, you had contract payments to UK and
10 USGS and you had those for two months instead of just
11 one month, and then you also had a payment to UK in
12 February.

13 MS. WOLFE: UK does monthly
14 billing and USGS is on a quarterly billing, but
15 something happened in the fall where USGS is on a
16 different fiscal year than the state. So, they were
17 doing a little catch-up because they didn't send their
18 bill in until I believe it was October. So, they were
19 doing a little catch-up to get back on track.

20 MR. GRAVES: They're on a federal
21 fiscal year.

22 CHAIR SIPPLE: Thank you. Any
23 other questions? Can I have a motion, then, to approve
24 the financials?

25 MR. RAINWATER: So moved.

1 CHAIR SIPPLE: Mayor Rainwater has
2 made the motion. Do we have a second?

3 MR. STICKNEY: Second.

4 CHAIR SIPPLE: A second by Jack
5 Stickney. Any comments? All those in favor, signify by
6 saying aye. Any opposed? Thank you, Jennie. The
7 Financial Report is approved.

8 Now we have Sue Elliston -
9 consideration of the lease agreements for Dam 7,8, 11
10 and 12. We emailed a copy of these and we've discussed
11 them at previous meetings, but do you have anything you
12 want to say about these, Sue?

13 MS. ELLISTON: I think the lease
14 agreement pretty much explains everything, but I'll just
15 go over a few things.

16 Last year at Lock and Dam 3, Mary
17 Kozak with Jessamine County made a presentation for Lock
18 and Dam No. 8 and also for Lock and Dam No. 7. We also
19 had Tom and Francine Bonnie from Estill County that made
20 a presentation for Lock and Dam No. 12.

21 With Lock and Dam No. 11, they're
22 still kind of floating the idea around with what they're
23 going to do with that site. They're thinking right now
24 that they want a canoe/kayak portage and primitive
25 camping.

1 Right now, neither of these
2 counties have funding for these projects, but as funding
3 becomes available, they are wanting to put parks at
4 these sites.

5 So, once we get the plans, they
6 have to be approved through the Division of Waste
7 Management, the Division of Real Properties and, of
8 course, the Kentucky River Authority.

9 We did have some preliminary plans
10 that they submitted last year and I have those if anyone
11 would like to see them. They're wanting canoe portages
12 at these locks and dams; and at 8, the River Authority
13 has agreed to pay to have that one installed, but the
14 county will be responsible for maintaining that.

15 There would also have to be
16 signage at these canoe portages. We have also asked
17 that they stay 500 feet above the dam, 300 feet below.
18 In some instances, most of them, this is going to be on
19 private property. So, it's going to be up to the county
20 to negotiate with the private owners to see if they can
21 go on their property to install the portage there.

22 We have the right to cancel within
23 thirty days if there was a reason that we deemed to do
24 that.

25 They will be responsible for

1 everything - mowing, maintaining the park, any building
2 structures. The only thing that they will not be doing
3 and no one will be allowed on it will be the lock and
4 dam itself and the esplanade. They will incur the cost
5 for the fence to be put around that. Our guys will
6 actually install that fence and will always install the
7 fence anytime it needs repairs or anything. The county
8 is actually responsible for the material.

9 We will also be responsible for
10 the signage on the locks and dams and the esplanade.

11 If at anytime the KRA needs to
12 come in and do anything on the lock and dam itself,
13 there's nothing in this lease that prohibits us from
14 doing so. So, we have the right at all times to come
15 in.

16 This is actually going to help the
17 KRA because right now we have so much mowing and weed-
18 eating and things to do at our locks and dams. So, this
19 is going to take a little bit off of us for the counties
20 to take over this responsibility.

21 Most of this is just standard
22 boilerplate language that we have to have in there, but
23 there are things specific to the counties that they have
24 to do and that we have to do.

25 CHAIR SIPPLE: And I would note

1 that we have some new members here who might not have
2 been around when we did other lease agreements, but one
3 of our new members is Mayor Rainwater and he's had one
4 of these lease agreements with our agency for how many
5 years on High Bridge?

6 MR. RAINWATER: I'll defer that to
7 Mary.

8 CHAIR SIPPLE: Well, for a good
9 number of years. So, a precedent has been set.

10 MS. KOZAK: Right. In fact, a
11 renewal of the lease was just approved a couple of
12 months ago. So, we're very thankful for that.

13 MS. ELLISTON: And right now Lee
14 County actually has lease agreements with the Kentucky
15 River Authority on Locks and Dams 13 and 14 and we've
16 never had any issues.

17 MR. GRAVES: Judge Wells.

18 MR. WELLS: I know that I have
19 seen some plans for some possibilities at Lock 4 in
20 Franklin County and I know you all are aware of that,
21 too, and I heard you say boilerplate.

22 Is this standard, written up for
23 any use around the locks and portage? In other words,
24 can we take what they've done and adapt it to Franklin
25 County's as well as all the other?

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MS. ELLISTON: Yes.

MR. GRAVES: This is something we started a long time ago. Just to give you a background, we started back with Tom and I and we went through all this with the do's and don'ts. Tom came back with you need to be so many feet above the dam and so many feet below the dam. All of that has been worked out.

I think the portage deal will be huge upriver. Down river, 1 through 4, I said we don't need for you to carry a boat around. We'll send you through the lock. And occasionally you will get some people who like to canoe and kayak during the week. So, that would give them an opportunity. I don't see right now a lot of movement during the week for that. There will be some, and I'm sure Ed Councilll would probably take exception to that. It all depends on the weather and the water.

MR. WELLS: Just an FYI, we are pursuing and moving forward on a park on Elkhorn Creek which is about a mile as the creek flows from Strohmeier's on the river. So, who knows but you hope and you wish, you envision that the use picks up, and especially it would be canoes and kayaks and all of that.

1 MR. GRAVES: Whatever vessel
2 wants to come through. We've even locked ducks before.
3 That's true. We locked ducks. A couple of years ago,
4 we got a call from Fish & Wildlife and said they
5 couldn't get out. So, Bobby and I, we went down and
6 actually opened the gates for ducks.

7 MR. STICKNEY: So, does Lee County
8 with 13 and 14, do they maintain those grounds on those
9 two locks and dams?

10 MS. ELLISTON: Actually, 14 is a
11 little bit different because the Corps of Engineers
12 funded the park there. So, actually they do take care
13 of the park.

14 Now, everything on the esplanade
15 and around the lock and dam, we take care of, and that's
16 the way it will be on all the lease agreements.

17 Now, on 13, we still have to mow a
18 little bit around there, but we don't get up there very
19 often to do that.

20 MR. GRAVES: Lee County, they have
21 a very nice park there and it's fenced off from the
22 actual lock facilities. It's nice. This really helps
23 KRA. There are six guys there that are charged with
24 maintaining fourteen locks and dams plus a park here in
25 Franklin County.

1 Now, this coming year, they're
2 going to also be charged with operating four locks - six
3 guys. That's a bunch of work for six people. So,
4 anywhere along the line that Jessamine County or Lee
5 County or whatever can come in and help us, we're all
6 for it.

7 MR. WELLS: Do locks shut down at
8 a certain time?

9 MR. GRAVES: Yes. We're
10 operational from Memorial Day weekend until the end of
11 October.

12 MR. WELLS: I'm sorry, during the
13 24-hour period, do they shut down like at dusk?

14 MR. GRAVES: They're open come
15 this summer - help me, Sue - from 10:00 to 7:30 Friday,
16 Saturday, Sunday and Monday.

17 And those who want to come up,
18 we've told this to the boaters on the Ohio River, if you
19 tell me you've got ten or fifteen boaters that want to
20 come up and you've got those people and you want to come
21 up here on a Wednesday, we'll put what we call a chaser.
22 We'll meet you at Lock 1 and we'll got to 2 and lock you
23 through and walk you right on up the river to help those
24 people out, and we've had a huge request for that.

25 MR. SIMPSON: Just a little

1 information - and Clare can jump in here and help me
2 with this - but to have the river sanctioned as a Water
3 Trail. That's what the portages are going to be for on
4 down the river even though we were locking on weekends.
5 Isn't that right?

6 MS. SIPPLE: That's correct. The
7 paddlers can go whenever there's daylight.

8 MR. STICKNEY: Another question
9 for the lock and dam in Estill County, 11 and 12, you
10 said that the county will be maintaining those grounds.

11 MS. ELLISTON: Yes, that's
12 correct. And one other thing on this lease agreement,
13 the counties are required to carry a \$1 million
14 liability insurance policy and they're also required to
15 have a county resolution.

16 MR. WELLS: Is that separate from
17 their already coverage?

18 MR. GRAVES: Right.

19 MR. WELLS: Just for the park area
20 itself.

21 MR. GRAVES: Right.

22 MS. ELLISTON: And this is for a
23 one-year lease but we can renew it every year. So, it's
24 just an extension of the lease that the county and the
25 KRA chooses to do so. Any other questions?

1 CHAIR SIPPLE: Thank you. That's
2 a lot of work that went into those.

3 So, do we have a motion to approve
4 these contracts, these lease agreements?

5 MR. WELLS: So moved.

6 CHAIR SIPPLE: We have a motion to
7 approve. Do we have a second?

8 MR. KAY: Second.

9 CHAIR SIPPLE: We have a second by
10 James Kay. Any further discussion? All those in favor,
11 signify by saying aye. Any opposed? Motion carries.
12 Thank you.

13 Now we have the presentation and
14 consideration for the renewal of the streamgage - I
15 think that's g-a-u-g-e, isn't it?

16 MR. RUBY: The USGS spells gage
17 g-a-g-e.

18 CHAIR SIPPLE: Okay. Got it.

19 MR. GAGE: Again, my name is Tom
20 Ruby. Everybody usually probably sees for the last
21 decade or so Mike Griffin. He's a shorter guy. He used
22 to come up here and give these presentations and
23 everything like that, but Mike has moved on.

24 I'll give you an explanation of
25 how it occurred. Mike has taken on the role of the

1 Director for the Indiana Kentucky Water Science Center.
2 We used to be just the Kentucky Water Science Center.
3 We have now merged into one science center, so, now we
4 have four field offices - Indianapolis, Louisville,
5 Williamsburg and Murray - four offices.

6 I then got to move up into Mike's
7 spot. So, that's why I'm here. Now, Mike did lie to
8 me. He said I'm going to take you to every one of these
9 meetings. I'm going to introduce you so everybody knows
10 who you are so that when you walk in to a meeting room,
11 everybody will know who you are. Mike is up in Indiana
12 this week. So, I fin for myself most of the time.

13 So, basically, we've been serving
14 Kentucky for 130 years and you see from the older
15 pictures to the more recent technology we have right
16 there.

17 So, what is the USGS streamgage?
18 Well, it's a device that can provide continuous
19 information on precipitation, surface water quality or
20 quantity and groundwater realtime.

21 What is realtime? What do we
22 consider realtime? Well, realtime is as instantaneous
23 of data as we possibly can get. So, down here on the
24 left-hand corner right there, you can see the gage.

25 We have to have all our gages run

1 through solar panel and batteries. We just don't have
2 the luxury of being out in the river and having mobile
3 electric out there a lot of times, so, that's how we do
4 it, but we do have a satellite antenna. We use a
5 satellite because we found that that's the most reliable
6 way to get our information from Point A to Point B.

7 Here's a schematic of how we get
8 that information. So, there's our gage down in the
9 corner. It shoots up to a GOsatellite. At that point,
10 it's talking computer language, blah, blah, blah. It
11 shoots it back down to our main system.

12 It deciphers all that computer
13 language and says, okay, this is back to regular talk
14 and it shoots it out to what is called our NWIS or
15 National Water Information System. That's what we call
16 from gage to web page is how long it takes. So, the
17 realtime part is it takes about two minutes. When it
18 sends that data, it takes two minutes to get to your
19 office right there. Down at the bottom, you see a
20 realtime graph right there.

21 So, how does it work? Well, it
22 tracks the water level as it rises in level. We call
23 that stage. So, this is Kentucky River locked in right
24 here and this is how we're working with the tracking
25 stage through a pressure system.

1 So, think of it as basically
2 filling up a tire. When you have a flat tire and you
3 take an air compressor, you can always choose a regular
4 old hand compressor and you pump up the tire to a
5 certain point. At a certain point, there's going to be
6 equal pressure where it's going to be awful hard for you
7 to keep putting air into that tire.

8 Well, that's the same way with the
9 river. When it's low, it doesn't take a lot of pressure
10 to push out of the air bubble into the stream. So, as
11 the water rises, it takes more and more pressure to
12 shoot out of the stream. At that point, it calculates
13 that pressure into a number and then a stage.

14 Another way - and this is one of
15 the old technologies that's still in use today. As a
16 matter of fact, right outside it's used here at Lock 4.
17 It's a stilling well. So, it has a series of intake
18 pipes and all it is is you know how the water is flowing
19 pretty fast, especially the last couple of weeks here,
20 everybody knows the water has been flowing pretty fast.

21 But as the water flows pretty fast
22 out there, what it does is it actually has these series
23 of intakes all the way up to the water column. It draws
24 the water in. So, now it's the same height inside these
25 stilling wells it is outside but it dampens the flow.

1 So, now it's nice and convenient. We can monitor the
2 flow. And all it is is a very easy, quick concept of
3 having a float attached to a steel tape that goes up to
4 the recorder out of the floodplain and back down to a
5 weight. So, as the water rises, the float comes up.
6 The weight goes down. It records the data up at the
7 top. It goes down. The opposite happens.

8 Sometimes we don't even get into
9 the stream and we use radar technology, so, non-contact
10 technology. Basically the same thing that a police
11 officer would use to catch you speeding. We use it in
12 the streams. So, all we do is we have it pointed down
13 to the stream.

14 It takes a certain amount of time
15 to ping off the water and return back to the
16 instrumentation itself. As the water comes up, it takes
17 less time. So, now it calculates and you'll notice the
18 stage of the water. So, we have this.

19 This stage is used primarily for
20 all of our flooding. You know, hey, what is the
21 National Weather Service going to forecast as the
22 highest stage of the Kentucky River?

23 Well, what goes along with that is
24 streamflow or discharge, and there's many ways that we
25 can capture the discharge. It's through wading

1 measurements where we're actually physically in the
2 stream because it's slow enough that we can go across;
3 through a bridge. You can see we just have something
4 hanging off and we call it a tether boat where you can
5 just stick it back and forth and we make a measurement
6 or rather a man boat on top.

7 So, the reason we capture all of
8 these is because we want to get a relationship between
9 the stage or how high the water is and how much water is
10 actually flowing, so, a stage/discharge relationship.

11 Now, that's why we get low-flow
12 measurements, mid-range and also high. Once we get
13 enough of those established, we can actually create a
14 rating table or a rating curve is what it's called. So,
15 you have all these measurements all plotted up there and
16 we go out every six to eight weeks.

17 Now, the last two weeks since
18 March 4th when all the snow started down in Hazard,
19 Kentucky and flooded out part of Hazard right there down
20 on whatever bend that is around the corner - I saw a
21 little news clip on that - but it flooded out the area -
22 from that point forward, we made on the Kentucky River
23 and all the way through all of our other streamgages in
24 Kentucky, we made over 80-plus streamflow measurements.

25 So, that's very good because we're

1 catching these things on the peaks which now defines--
2 the hardest part of our rating is our upper end. This
3 is an example of a rating curve and this is the reason
4 why we go out every six to eight weeks because every now
5 and then, a control which is what the rating is based
6 off of changes and you can see where that dotted line
7 is. That's where our newer measurements are this
8 particular site.

9 So, now all of a sudden, it's
10 like, oh, oh, we may need to change the rating. At that
11 point, the National Weather Service needs to change
12 their forecast and it's as trickle-down effect all the
13 way down saying, okay, now we need to renegotiate
14 because if we start working off of old data all the
15 time, then, the weather forecast is always going to be
16 off because they don't have that updated information.

17 So, in the United States, we have
18 over 9,000 USGS streamgages. In Kentucky, we have over
19 200 just right here, and the National Weather Service
20 uses over 4,000 of our gages to help forecast.

21 So, this is an example of our
22 realtime data. This is an example of our realtime data
23 page. You can see all the sites on the side over there
24 with the first number being the station number. It's an
25 eight-digit identification number that we use. Up here

1 on the top, you can see our realtime data.

2 And, then, when you click, you can
3 also have all the historical information. So, now you
4 have not only the realtime data at your fingertips, you
5 can have all the information that's associated with that
6 streamgage all the way back. Especially at Lock 10
7 which is over 100 years old, you can have all that
8 information at your fingertips.

9 This is our streamflow network
10 for the State of Kentucky. We pulled off the three
11 bigger counties that have a more concentrated streamgage
12 network - of course, the Lexington area, the Louisville
13 area and then the Northern Kentucky area right there.

14 This is the one you guys are
15 worried about right here. This is the Kentucky River
16 Basin right there. You can see, these are your sites
17 right here. This is what KRA supports in our data
18 network and we appreciate that very much. Thank you
19 very much.

20 Now that we have all this data, we
21 have stage - we know what that is now - we know what
22 discharge is. Good.

23 Now, some of the stuff you were
24 talking about with your canoes and different things like
25 that, these canoeists, these kayakers, they love USGS

1 data because they know what the height of the stream is.
2 They know how much cfs or cubic feet per second coming
3 down is. So, now that's going to benefit you guys of
4 having the data already at the sites. They're going to
5 be looking at that. They're going to say, oh, we can
6 float down because the water is just high enough. It's
7 not going to be too low, it's not going to be too high.

8 Water Watch is one of the big
9 ones. We call this our national way of looking at the
10 data. So, you see the whole entire nation right there
11 and the streamgages. Then you bring it in a little bit
12 closer to Kentucky.

13 So, at this point, it shows you
14 all the gages. This is just a different view of how
15 you can look up our data, but now you can start seeing
16 all the information again. This just got updated as of
17 last week because we made, at 13, 12, 3 and one more and
18 I cannot think what it is, but we made the highest
19 measurements we've ever made there in the history of the
20 gages that operate which is great for us. I mean, I'm
21 glad I got out there and got those measurements, but you
22 can correlate information just from Water Watch.

23 So, we're going to click on one of
24 the sites. It gives you realtime information. There's
25 your realtime just like I showed you from the other

1 page. Flip it again. There's your peaks, the highest
2 peaks that it has and it shows you the current. So, now
3 you can distinguish current to where the historical
4 peaks are.

5 That's the National Weather
6 Service forecast. So, let's just say the National
7 Weather Service has a forecast for you. It's right
8 there as well. So, now you can access that and there's
9 the rating curve. That's what I was talking about
10 earlier about our rating.

11 You can click on and you can get
12 it in tabular format or you can see it graphically and
13 all of that is wrapped up into a first tab which is the
14 summary tab right there. So, it shows you the drainage
15 area, it shows you the current conditions.

16 This is how much data is in our
17 USGS website - 1.5 million sites. Now, of course, we
18 don't have 1.5 million sites - we have 9,000 - but all
19 of our water quality, all of our groundwater and that's
20 all fifty states.

21 Look how much is just in Kentucky,
22 over 14,000, almost 15,000 sites just in Kentucky. As
23 you come down, you can see our 208 realtime sites, our
24 water quality sites, if they're groundwater samples, if
25 there's regular samples, if there's lab samples. You

1 can have all that information at your fingertips.

2 So, realtime water quality. These
3 are the ones that's on the Kentucky River Basin. You
4 can see it still displays it, just like our streamflow
5 or our stage and it's still realtime.

6 So, NWISWEB. Remember, this is
7 how we're able to access it. Now, you can see when
8 basically the Internet became really popular and as it
9 came forward - and it's really hard to see - but from
10 this point to here, there's a little bit of a different
11 color right here.

12 So, from 25 million hits to 35
13 million hits, there was something that happened in the
14 last few years. Well, Smart devices. Everybody is
15 accessing everything with their phone or their tablet or
16 however they're accessing but they're accessing it
17 realtime. They're no longer sitting at a computer.

18 So, we said, oh, oh, we have to
19 keep up with the times literally. So, what we did was
20 we created this WaterAlert. So, if somebody wants to
21 know right now what the streamflow or they want to be
22 warned what the streamflow is going to be, that's what
23 the WaterAlert is.

24 So, you can set up a threshold.
25 You saw how easy it was to capture that. It's just down

1 at the bottom. That's every site, every graph has that
2 little WaterAlert and you just press on it. So, now it
3 tells you what site you're looking at, how you want to
4 receive it.

5 Do you want to receive it through
6 your cell phone, through a text message basically or do
7 you want to receive it through an email? Do you want to
8 receive it hourly or do you want to receive it daily and
9 in what parameter would you like to notified about? Is
10 it stage? A lot of people are worried about stage. Is
11 it some sort of water quality? Is it a temperature
12 situation or something like that? You can have anything
13 like that.

14 You set a threshold. Now, this is
15 where I warn you not to set that threshold too low
16 because what will happen is if you have it set to
17 hourly, it's going to warn you every hour until it's out
18 of that threshold.

19 So, this is all the users
20 throughout the United States. You can see as of three
21 weeks ago, February 17th, you can see how many
22 subscribers - almost 64,000 subscribers and 46,000 of
23 them, they were unique users. And in Kentucky, you had
24 977 and only 3,885. The last two weeks, it's doubled
25 and tripled just because of the high water, and that's

1 because no one has got notification when it's--a lot of
2 people don't get notification when it's high water.
3 Now, if you go to the next graph, this is way - because
4 everybody wants to know what stage is. Some people are
5 worried about low flow and things like that but a lot of
6 people are worried about when does my house get flooded.

7 So, you can see, but there's still
8 one person that wants to know the water level of NAVV
9 and they get a WaterAlert when that happens.

10 So, that's how you get warned, so
11 to speak, about what's coming down the line because it's
12 not a forecast. It's just being you're not paying
13 attention and then all of a sudden, you're, oh, Mom and
14 Dad's house is getting ready to get inundated later.

15 So, this is another way of saying
16 I wonder if I can go fishing down at Lock 4. You can
17 text it or you can email it and then it will go out, get
18 the data instantaneously and then send it right back to
19 you.

20 So, all you do is in the subject
21 line of either your text message or your email, just put
22 the station number. That eight-digit significant number
23 that I said earlier, 03298400, you pop that in there.
24 You text it. Within the same minute, it comes back with
25 there's your flow or your cfs and there's your stage.

1 Now, you can do this for any parameter. And since
2 everybody is starting to use their mobile devices, you
3 have to have that mobile wire data, but you can see that
4 it's going to basically fit better to your mobile device
5 when it comes out.

6 How many people have seen this? I
7 know the Division of Water used this the other day, and
8 this is the flood inundation and we just finished one
9 there - I think it was last year we had the dedication -
10 of Frankfort and we're getting ready to finish the one
11 here in Falmouth, Kentucky. And that was a little bit
12 different because you had to have the South Fork coming
13 in and the main stem Licking River coming in with three
14 gages all intertwined.

15 And I just found out that we're
16 going to be working on one in Hazard, Kentucky on the
17 North Fork. I'm working with them right now to get all
18 the telemetry collected and we're going to be starting
19 on that one here within the next year and a half. The
20 Corps of Engineers is helping out with that.

21 But basically what it does is, for
22 those who aren't familiar with how an inundation map
23 works, it's a static library of a bunch of maps. And
24 what we did was we were able to use in-channel
25 telemetry. I'm the one that collected it, ran up and

1 down all the way from 64 all the way up a mile past Lock
2 4 right here. I was in a boat and collected all the in-
3 channel telemetry.

4 We then used the Lidar data on top
5 of that and we used all of our high-water mark that we
6 collected throughout the city, as well as all of our
7 historical gage information.

8 And what it did was we can see our
9 realtime discharge or our realtime streamflow generated
10 there. We can see our forecast that the National
11 Weather Service is pointing to. So, now, as of last
12 week when the National Weather Service said it's going
13 to get up to 47 feet, we can drag the little bar over
14 here on the corner, we can drag this up to 47 feet and
15 you'll see how much the cities can be inundated.

16 So, basically what you're seeing
17 here is you're seeing, okay, as it's coming up on the
18 rise, and this is what it looks like when it's getting
19 ready to be forecasted, how much more inundation, it's
20 right there, but that's not a very good picture of it.
21 I don't like that picture. I just like to throw it in
22 there just to mess with people.

23 So, it's all about how quick we
24 can get out there and show people, okay, if we can give
25 you enough warning, then, of course, damages are going

1 to come down. Lives lost are going to come down.

2 And that's where the hazardous
3 report comes into effect. So, now, coming off of our
4 inundation, we have the census information. So, as you
5 pull that little slider bar up, then you're going to see
6 how many people are going to be out of house and home,
7 how many buildings are going to be inundated. This is
8 how much it's going to cost you for this flood that may
9 be coming up as the Weather Service is forecasting it.
10 There it is right there.

11 This is your last ten peaks and
12 where this one compares to the other one. Now, on this
13 one - this isn't an updated slide as of last week - but
14 if this one was higher than one of those last ten peaks,
15 guess what? This is going to move over and pull that
16 last smaller peak out.

17 And you can pull it all the way
18 down to street level and it's within a half a foot.
19 Bill Caldwell, I had just met with him before I came
20 over here and he said that he was out monitoring the
21 river and was using the flood inundation map and he said
22 I was right on the money down the street here which was
23 good but it's amazing.

24 So, I'd like to get into what
25 we're getting into next at the USGS and that's the super

1 gages. We call them super gages. They've had their
2 fair share of names. They went from century gages,
3 super gages, but super gages is basically all of your
4 water quality, your nitrates. So, now, the State of
5 Kentucky, we're getting a bad rap on some of this stuff
6 because how much are we contributing to the hypoxia in
7 the Gulf? How much are we?

8 We don't know that. We're
9 starting to monitor for that. So, this is a picture of
10 Olmstead. So, you can see all these contraptions on
11 this one little board and we load this in the Ohio River
12 right there and that's down at the bottom right there.

13 So, as you can see, we're starting
14 to really pull it up through. It looks like we're going
15 to get funneled through this. So, now we're going to
16 know what's coming in the Kentucky. We know what's
17 going out of Kentucky there at Olmstead.

18 So, now we have both pieces of the
19 pie to figure out, okay, now, how can we solve our
20 internal problems. Now, of course, Indiana is in there,
21 so, the Wabash. We have up here on top, you have the
22 Great Miami coming out of the Ohio, but if we can do for
23 ourselves, that's why we have one now at the Licking
24 River at 536.

25 And you can see that is an

1 extension ladder because that was the only way I could
2 get that installed and it actually captures the velocity
3 of the stream as it goes by.

4 With that, if anybody has any
5 questions, I'll be happy to answer them, but I
6 appreciate the time.

7 MR. GRAVES: I'd like to make a
8 few comments. This is something that to the Board I
9 highly recommend, and I think Tom Russell can speak to
10 this, too, but this is a great tool from not just
11 Franklin County but from Beattyville all the way to
12 Carrollton to keep the people, as you well said, from
13 being inundated or knows the flooding situation.

14 It used to be if I wanted to know
15 - I've lived on the river since '76 - if I wanted to
16 know how high the Kentucky River was going to be, I had
17 to drive to Lock 4 and go down there and say, fellows,
18 what do you think. Now you can pull it up and we've got
19 a pretty good idea of what the situation is.

20 Our costs have stayed the same
21 which is good. That's a good point and it benefits
22 everybody from Heidelberg all the way down and I
23 appreciate it.

24 Were you out there a couple of
25 weeks ago on a Saturday in the river when the boat came

1 down?

2 MR. RUBY: No. Actually, that was
3 my second-in-command. I was at the office.

4 MR. GRAVES: I got called in as
5 well as Tom did about the houseboat that came from
6 somewhere above 10, and I showed up with Fish &
7 Wildlife. Fish & Wildlife said your guys were out on
8 the water.

9 MR. RUBY: Yes. We got some good
10 pictures of it.

11 MR. GRAVES: They're extremely
12 brave or just don't have any fear factor. I don't know.
13 I wouldn't want to be out there in thirty foot of water,
14 but I appreciate you coming down here to enlighten us.

15 MR. RUBY: I appreciate it.

16 MR. STICKNEY: I was glad to see
17 two of your technicians out on the Red River about a
18 week and a half ago with their yellow boat doing their
19 Doppler radar checking the flow meter and they said they
20 were within 5% accuracy of it and that was good to see
21 because I live right on the Red and it matters to me
22 what those gages are showing and I appreciate it.

23 MR. RUBY: Sure. We appreciate
24 people using the data. Every time I get a data request,
25 the last thing I say is thank you for using our data

1 because--I mean, I use it all the time.

2 MR. STICKNEY: One more question.
3 Are you proposing to do a water quality super station on
4 the Kentucky? You brought that up.

5 MR. RUBY: I wanted to share it
6 with you because we have two more basins that we're
7 looking into - the Salt, of course, and then the
8 Kentucky River. There's been talk that there's interest
9 in getting a streamgage on Lock 1. That would be
10 ideally where you would want to put it at - Lock 1 - so
11 you would know what's coming out of the Kentucky River
12 Basin right there.

13 And at that point, it's like,
14 okay, you know, let's go ahead and alpha this because
15 now--and I should have explained that a little bit more
16 but I was trying not to take all of you guys' time up.
17 But what that does is by calculating a velocity, now we
18 can start determining loads, so, nutrient loads coming
19 down the stream, realtime nutrient loads which is great.
20 So, now you have a turbidity sensor in there. Now you
21 know your sediment loads coming down the stream, the
22 nitrates. Now you know your loads in nitrates coming
23 down.

24 And that's what we're trying to
25 determine to show everybody, and the ag people are

1 really big proponents of this because they're the ones
2 getting a bad name. A lot of them are. And we're
3 finding out so far in our preliminary looking at all
4 this is we're not the ones to be blamed.

5 It's actually a lot of it coming
6 out of the Wabash, but it's one of these things that,
7 you know, Kentucky should stand proud on this because,
8 without this data, we would still be the bad guys.

9 MR. RUSSELL: Madam Chair?

10 CHAIR SIPPLE: Yes.

11 MR. RUSSELL: Could I change hats
12 for just a minute?

13 CHAIR SIPPLE: Certainly, Tom.

14 MR. RUSSELL: And I'm probably
15 speaking for every Emergency Management Director that
16 has jurisdiction on the Kentucky River, but we use
17 these. And I say we. I'm sure they all do because I
18 get calls from all of them saying, hey, you know,
19 because I do a little bit of work for the River
20 Authority, and say what does this look like to you.

21 And using that realtime data, I've
22 gotten almost to the point now where I can go upriver
23 and look at Beattyville and see how much water is coming
24 and kind of taking Dix Dam out of it a little bit or
25 adding Dix Dam in a little bit and tell how much we're

1 going to get here because, at 19 feet, Frankfort has to
2 put pump stations online, and at 25 feet, some of the
3 Judge's roads here out in the county go under water.

4 So, for us, it's more than an
5 essential tool just because of the fact that we're in a
6 river town and we live on the river and I've got to have
7 that information, no ifs, ands or buts about it, and
8 actually the one on Elkhorn Creek, the streamgage also
9 that I have to monitor that shuts some of the roads down
10 in the county when it gets to a certain height, per se.

11 But I'm sure I speak for Anderson
12 County all the way up in Beattyville that everybody uses
13 that thing. They don't have as much warning as I do
14 because somebody has got to be the head of the creek and
15 I get a lot of information.

16 The only other thing I would
17 advise you, if you set your hourly alarm and it goes up,
18 that's a great thing, but it goes back down, you still
19 get that alarm until it goes below--you know, mine is
20 set at 17 feet for the Kentucky River.

21 This is more than an essential
22 tool for us.

23 MR. GRAVES: And, on the other
24 hand, it helps us at KRA to put additional security on
25 our four operational locks. When we see this, then, we

1 go down and put an extra chain to make sure that
2 everything is in good shape. So, it's a big plus, and I
3 know Tommy, the last two weeks he's been worn out, but
4 it's a great tool.

5 MR. SIMPSON: I've got a question
6 about it. The KRA's share of \$142,000, I guess I'm
7 going to throw it on the table, it looks like county
8 governments should pay part of this cost, state
9 government and DES.

10 It looks like that we're getting
11 hit with the lion's share of the cost and I don't know
12 who pays for the Ohio River gages or the Licking River.
13 It seems like we're just here and we got caught paying
14 the lion's share of this operation on the Kentucky
15 River. I'm just questioning how that came about or is
16 that something----

17 MR. GRAVES: It's something I
18 inherited, to be honest with you, and we're not a cash
19 cow by no means.

20 MR. WELLS: Neither are county
21 governments.

22 MR. SIMPSON: For instance, if we
23 look at the gage in Georgetown, Midway, those gages
24 really don't affect--you could have a little micro
25 system that would put down several inches of rain over

1 there and have no effect on the Kentucky River. I guess
2 we could say that the state's share and federal's share
3 is going to be picking up some of those. I don't know
4 why KRA is paying for a sensor cost in Midway, Kentucky.

5 MR. GRAVES: That's something I
6 can look more into more in depth. I'll be glad to take
7 a look at it. That's a good question.

8 MR. RUBY: What I'd like to do,
9 like Jerry, I inherited this network, the whole
10 streamgage network, but my cost is okay. I know all of
11 us don't have the amount of money to do this. I get
12 many partners throughout.

13 The Division of Water, they're one
14 of my biggest cooperators, of course, but I do have the
15 sanitation districts just because they're permitting,
16 but at the same time, they enjoy it. I have Canoe
17 Kentucky right here that has a temperature probe on the
18 North Elkhorn Creek that we give them recognition on on
19 our website but they have that. So, I try to make it as
20 small as I can.

21 I guess maybe next year, what I
22 could do for you guys is maybe give you who else is
23 cooperating with each one of the KRS's because I know
24 like up North, it's a lot of Corps.

25 MR. WELLS: There's a lot of

1 people involved and a lot of entities involved that need
2 certain types of information. We don't need everything
3 that you have, but what Tommy needs is just a small part
4 of it and there's a lot of stuff that you need.

5 So, it's not just them
6 supplementing the counties on the river. It's providing
7 information to everybody that needs that along the
8 Kentucky River. That's why I think it's a good idea for
9 you to cover it because you need a lot more information.
10 The amount of information that you get is a lot more
11 than what we need, just need from Tommy from an
12 emergency management side.

13 MR. GRAVES: When the river starts
14 coming up, our phone starts to pick up.

15 MR. WELLS: And ours does, too.

16 MR. RUSSELL: Trust me, when you
17 get it wrong, if the information--if you were to ever
18 cut back on this network and we start to get this wrong,
19 then, we have created a huge problem. The last time we
20 got one wrong, I got crucified. I didn't get crucified
21 as bad as Anderson County and Woodford County did but I
22 got crucified.

23 So, to maintain this equipment and
24 to put it wherever we need to put it, I'm all for it. I
25 think failsafes have been put into place where there

1 won't be any more mistakes from the last time, but,
2 still, that was one of those where, yeah, it's not going
3 above 39. It went to 42 and said, yeah, it's not going
4 to get to this point and people were flooding, calling
5 and saying, hey, the water is coming in my house and it
6 doesn't come in here at 39 feet.

7 So, to maintain this to the best
8 of your ability at whatever the monetary costs are, I
9 suggest that the Kentucky River Authority step up and do
10 this as best they can.

11 MR. WELLS: Right. And let me say
12 this. I don't think we're unique but I will say that at
13 19 feet, when Tommy institutes the City to put the
14 floodgates in, that is just the beginning of the problem
15 and the concern and the panic because they come out of
16 the woodwork and say, oh, no, we're flooding. Why
17 aren't you telling this? What are you doing? We see
18 you're putting the floodgates in. It's hysteria, to be
19 honest with you. Am I right?

20 MR. RUSSELL: Yes, sir, you're
21 right.

22 MR. WELLS: We have to have that
23 information to say, now, listen, we do it at 19 because
24 if it gets any higher, then, we're going to be in
25 trouble. That doesn't mean it's going to get to 27 or

1 whatever but the panic starts.

2 MR. GRAVES: It's kind of like us.
3 If we don't go down and strip the walls on 1, 2, 3 and
4 4, if we wait too later, once it goes under water,
5 that's it. You're in trouble. So, we've got to make a
6 call. We've got to go down and secure the gates, pull
7 the equipment out. I say we but Bobby and his guys have
8 got to go down.

9 In fact, Bobby went down, what two
10 weeks ago?

11 MR. WEBB: This past Saturday.

12 MR. GRAVES: He went down
13 Saturday, but you went down two weeks ago, you and
14 Jeremy, in knee-deep water at 1 or 2?

15 MR. WEBB: One and 2 both.

16 MR. GRAVES: One and 2 both where
17 the construction people left the handrails up - not a
18 real big deal; but when water gets up, it would take
19 those aluminum handrails and it will lay them just
20 completely over and they might take out something else
21 that's going to cost us.

22 So, Bobby and them went down. Not
23 a whole lot of people are going to do what they did -
24 walk across those gates in knee-deep water and take
25 those handrails off. I probably wouldn't.

1 MR. RUSSELL: Let me add this.
2 Our costs are not always recoverable, but most of the
3 time, if we have problems at locks and dams and it's due
4 to a flooding situation or some situation where we get a
5 declared disaster, we always have the ability to go in
6 and state the costs and the claim and make a claim with
7 KYEM in that county if we get a Presidential Disaster
8 declaration and the President so decides it as such that
9 we can recover 87% of the costs, whatever it costs the
10 Kentucky River Authority.

11 So, should something wash or a
12 fence--I think we did a fence at 9 one time.

13 MR. GRAVES: The 2010 flood.

14 MR. RUSSELL: Maybe it was. I
15 don't remember now, but, still, like I say, again, those
16 costs sometimes are recoverable for us.

17 And, again, I've pointed out all
18 the times that, hey, did we have anything upriver and I
19 asked this the last time, you know, any overtime, any
20 repairs, any expenses, anything like that just to make
21 sure that if they were out there, then, we can include
22 them because we were in a declared disaster at the time,
23 not only Franklin County but there were probably 50
24 counties that declared up and down the river.

25 So, that's another way that we can

1 get some of this money back if we have to spend money on
2 it, not pertinent to this project but, still, it's
3 always out there for us to do and we have done it
4 before.

5 CHAIR SIPPLE: Well, I think
6 there's no doubt that this is an important service that
7 is provided, but we're paying well over 50% of this
8 cost, and maybe we need to look at in the future seeing
9 if somebody else can help us with this expense.

10 Would the Disaster and Emergency
11 Services ever have a budget per county for something
12 like this to help since you all benefit so much by it?

13 MR. RUSSELL: Would the Disaster
14 and Emergency Services ever have a budget for this? I'm
15 looking at my boss over there. You know, it's a
16 possibility that----

17 MR. WELLS: I'm looking at Rodney
18 and telling him to be quiet.

19 MR. RUSSELL: It's a distinct
20 possibility. It's like Kentucky Mesonet. I have a
21 request from them right now to help with some of their
22 cost share which is another huge benefit for the
23 citizens of the community. If I squirreled away \$2,000
24 or \$5,000, that's probably doable. That's not outside
25 the realm of possibility. And I guess if you get enough

1 of those, then, it would cut a large chunk off of the
2 Kentucky River Authority.

3 CHAIR SIPPLE: Because there are
4 how many counties along the Kentucky River? Forty?

5 MR. RUSSELL: The Kentucky River
6 Basin encompasses 7,000 square miles.

7 CHAIR SIPPLE: Forty-two counties,
8 and if county just put up a small--and I know----

9 MR. WELLS: Good luck on getting
10 that. I have tickets to Disney World for you, too.

11 MR. RUSSELL: Well, even if it was
12 \$500.

13 CHAIR SIPPLE: Right. A hundred
14 and forty-two thousand dollars is a lot.

15 MR. GRAVES: This is part of my
16 Executive Director's report but I'll bring it up now.

17 When I first came aboard almost
18 four years ago, I made a meet-and-greet with everybody,
19 every County Judge from Heidelberg to Carrollton. And
20 since then, we've had I think - I think I missed you -
21 I'm not real sure, Mayor.

22 MR. RAINWATER: You can come see
23 me next week.

24 MR. GRAVES: But my goal is some
25 time in April is we've had new County Judges and Mayors

1 to come forward and we're going to do a meet-and-greet
2 then. Maybe we can get something out. I'm not going to
3 go out there and say open your checkbook but here's
4 something that you all might want to consider.

5 And what I do is I give them an
6 update of what we're doing and what we're going to do
7 and what we've done to each Mayor and County Judge so
8 that we have a relationship and it's worked pretty good.

9 MR. STICKNEY: A lot of these
10 counties are in Tier I and they're putting money into
11 the River Authority.

12 MR. WELLS: I was getting ready to
13 say exactly that same thing. Every one of our
14 constituents are paying money. So, it's not as if
15 they're not paying in some form or fashion really.
16 We're paying.

17 MR. STICKNEY: Many of those
18 headwater communities frankly aren't getting a lot from
19 the River Authority historically in the past, and I
20 think a lot of them think this is their contribution and
21 them getting some streamgages is the least that we could
22 offer them, I think.

23 CHAIR SIPPLE: Other than the
24 water that they get. Well, I brought that up just so
25 that we could get some more discussion about this. So,

1 that makes it seem a little less distasteful, I think.

2 Is there any further discussion
3 about this?

4 MR. WELLS: Do you need a motion?

5 CHAIR SIPPLE: We do need a motion
6 to accept this.

7 MR. WELLS: I will make that
8 motion.

9 MR. STICKNEY: And I'll second it.

10 CHAIR SIPPLE: Second. Do we have
11 any further discussion? All those who would like to
12 renew the streamgage network agreement with the USGS,
13 please signify by saying aye. Any opposed? Motion
14 carries. Thank you, Tom, for coming and making your
15 presentation.

16 Next will be the consideration of
17 the public officials' liability insurance. Jerry.

18 MR. GRAVES: In your packets,
19 you've got a copy of our bill for the liability for not
20 only me, my staff but you as the Board.

21 I recommend that we proceed with
22 this. Jennie informed me it's up about \$300 from last
23 year. This is something that if someone were to decide
24 to take us to court, it would give us some protection
25 and I highly recommend that we move forward on this.

1 CHAIR SIPPLE: I think we've all
2 noticed that all of our insurance has raised since last
3 year.

4 MR. WELLS: Do you bid this out or
5 this is just a continuation?

6 MR. GRAVES: I think this is
7 something that was on a master agreement, I believe.
8 Isn't that right, Jennie?

9 MS. WOLFE: We go through Finance
10 State Risk and they do it and then they come back with a
11 quote.

12 MR. GRAVES: Same thing that we do
13 for all of our liability on all of our equipment and
14 buildings. It goes through the State Risk.

15 MR. RAINWATER: So moved.

16 CHAIR SIPPLE: Mayor Rainwater has
17 made the motion to accept this. Do we have a second?

18 MR. WELLS: Second.

19 CHAIR SIPPLE: Second by the
20 Judge. All those in favor, signify by saying aye. Any
21 opposed? It passes.

22 The discussion and consideration
23 to hire two temporary employees for the summer. Jerry.

24 MR. GRAVES: Last year, as I
25 stated earlier, we lost two full-time employees. In

1 June, Greg Henry left us with thirty years' experience.
2 John Ashcraft had right at twenty. We lost Rick Griffin
3 in December. Rick passed away in his sleep and there
4 went seventy years of experience with KRA.

5 Last year we hired some temps to
6 help out and mainly because we were trying to hire the
7 temps and that's the quickest way to get help and go
8 through the process because I can't just hire somebody
9 and say you're now a lockmaster. You've got to go
10 through some education. As I've always said, you train
11 animals and educate people. This is an educational
12 process to be able to lock a boat.

13 So, what I'd like to do this
14 coming summer is hire two temps basically to help out
15 with all the mowing, maintenance, all the gets-your-
16 hands-dirty work. This would come out of our Tier I
17 monies. As Jennie pointed out earlier, financially
18 we're in good shape.

19 This helps the guys who actually
20 are going to be operating the locks this coming summer.
21 It's simple math. You've got four locks. You're going
22 to have to have four lockmasters and that would at least
23 be Bobby and a backup. So, if we have a couple of guys
24 to get sick or something were to happen, I guess you'd
25 be looking at a lockmaster here. I'll be done, which is

1 fine. I don't mind doing that. But mainly these two
2 temps will be hired from April until probably sometime
3 in early October.

4 Last year, we were very fortunate
5 to hire a college student. And Bobby will tell you
6 first, he said, I don't know about hiring somebody
7 that's going to be here just for a while and leave us.
8 I think Bobby kind of ate his words because this guy,
9 and I did, too, he--I hope he comes back. He's a
10 second-year student out of Hanover and I would trust him
11 to operate any of these locks. He's as good as they
12 come, as smart as they come.

13 So, I'm just asking for two temps
14 to help us out with our workload this summer. And like
15 I said, it will come out of our Tier I monies.

16 If there are any questions, I'd be
17 glad to answer them.

18 MR. WELLS: Is there any chance
19 that you can hire some of these guys that have retired
20 and left?

21 MR. GRAVES: Well, I asked Greg
22 Henry with tears coming down my cheeks if he would do
23 it. He's retired. One of them took disability and he's
24 physically not able to. I've had some Corps' guys to
25 inquire about this who have retired, but the problem

1 there, Judge, is these guys want to lock boats. They're
2 like me. They've got a few years on them. They don't
3 want to pick up a weed-eater or a mower.

4 MR. WELLS: I was just thinking
5 more about the locks as opposed to cutting grass.

6 MR. GRAVES: If I can find some of
7 those guys that say, hey, I just want to lock boats and
8 if we can help out, absolutely, I might be coming back
9 to the Board and say I need one more temp, but we
10 haven't had a whole lot of knocking down the door. Most
11 of these guys, when they hung it up, they hung it up and
12 they've been down so long. A lot of them are like me,
13 picking up a couple of years on them.

14 MR. SIMPSON: I make a motion to
15 approve Jerry's request for two temporary employees for
16 the summer.

17 MR. BANNISTER: Second.

18 CHAIR SIPPLE: And we have a
19 second. Any further discussion? All those in favor,
20 signify by saying aye. Any opposed? All right.

21 Now, the report and discussion on
22 the Recreation Committee. I've asked Rodney if he would
23 make that report for us today. So, Rodney.

24 MR. SIMPSON: I didn't know you
25 wanted me to do all of the report.

1 CHAIR SIPPLE: I'll just say that
2 we've met--I thought we had met four times, Sue.

3 MS. ELLISTON: No. We just had
4 that budget meeting.

5 MS. SIPPLE: Right. Correct. We
6 set up this Recreation Committee, and one of our
7 illustrious members mentioned that a committee without a
8 budget was just wasting their time.

9 So, we decided we didn't want to
10 waste our time. We wanted to do something that was
11 worthwhile. And when we discussed where we would find
12 our money, David Brown Kinloch said to us that he does
13 pay the Kentucky River Authority \$8,300 a year for the
14 hydro at 7 and he suggested that that might be a good
15 source of money for our Recreation Committee.

16 So, we had a recreation budget
17 meeting and then we had three other meetings of the
18 Recreation Committee. We had a lot of people come to
19 all our meetings. Terri came and took minutes at our
20 first one and we had a lot of interest from state
21 agencies other than the River Authority.

22 So, once we had the money
23 allocated that we could use for our budget, then we set
24 about trying to decide how we were going to spend that
25 money. And one of the things that we noticed was that

1 we are going to have to set criteria for how we're going
2 to allocate this money.

3 But to start with this first year,
4 we got started late with the river season upon us and
5 there were a couple of needs that we saw. And, Mike, I
6 was going to ask you about one of them and that's why I
7 want to ask you to stay afterwards.

8 So, we decided the first year, we
9 would spend \$5,000 of this \$8,300 and that we would at a
10 later meeting set the criteria for how we would allocate
11 the other money.

12 The reason that we didn't spend a
13 lot of this money, we talked about maybe spending it for
14 marketing of the river, but we felt like our presence is
15 very important at a lot of these festivals and
16 activities that go up and down the river. We have two
17 River Blasts this year. There are festivals like the
18 Mushroom Festival, the Wooly Worm Festival, the Corn
19 Festival. There are a lot of festivals that take place
20 up and down the river.

21 And if we're going to have a
22 presence there, we need to have some place for Sue or
23 anybody that's with the River Authority that's
24 representing us there to actually sit. We have been to
25 several functions where we just sort of wander around

1 and don't have a real presence there.

2 So, that's what our discussion
3 focused on. And, so, then, Rodney, if you would give us
4 the basic report on how we decided to allocate that
5 money, please.

6 MR. SIMPSON: What we discussed
7 about it at the subcommittee level was putting together
8 a display that would show the worthiness of the River
9 Authority. Like the Chairman said, we don't want to
10 just put somebody in a lawn chair and put a name tag on.

11 We discussed actually getting a
12 booth assembled with a tent over top of it, tables, a
13 tri-fold display, a monitor to show little movies of the
14 Kentucky River and help market the river and the KRA
15 also to the public attending these functions throughout
16 the river valley.

17 So, what we thought would be a
18 worthy amount to cover the cost of this without causing
19 any hardships on trying to limit what one would need for
20 this, we thought \$4,000 would probably put together a
21 real good booth assembly for these functions.

22 We have also done some work on
23 seeing what could be done to get Boonesborough Beach
24 opened back up. We found out pretty early into the
25 discussions that there's a thought process in that part

1 of the state----

2 CHAIR SIPPLE: A perception.

3 MR. SIMPSON: A perception that
4 the Kentucky River is so contaminated, one can't swim in
5 it. You'll grow a couple of extra ears or something if
6 you go in the water.

7 So, to remedy that, and this
8 discussion was also alongside of Rob Minerich, the
9 Director of the Boonesborough Campgrounds----

10 CHAIR SIPPLE: And State Park.
11 He's the Director of the State Park.

12 MR. SIMPSON: He sat right beside
13 us and we're all in the same agreement that maybe we
14 should do some water sampling and advertise the results
15 of this at the end of a six-month run of tests on the
16 Kentucky River at the Boonesborough Beach area.

17 The Division of Water has assured
18 us that there's no problems to speak of in that area for
19 swimming. There's a public outcry to use the river in
20 this area for swimming. A lot of folks like to get back
21 to their earlier years on the Kentucky River and they
22 want to use that Boonesborough Beach through the summer.

23 So, we think by providing some
24 test sampling and some marketing - once again, it comes
25 back into our marketing expenditures - that we can prove

1 that the river is safe to swim in and enjoy and relax
2 in.

3 And then another item that we
4 discussed on the budget process of the subcommittee is
5 website development. The Chairman has a website
6 connection that does real good work, I understand, at a
7 very economical cost. We're thinking that we can help
8 provide this website at a cost of \$500 a year in this
9 development and the web name.

10 We would run it under a separate
11 entity so that Jerry wouldn't run into any problems with
12 another website on the Kentucky River Authority site.

13 So, the total of those three items
14 is \$5,000 to help market the Kentucky River, to help
15 market what we've done on the Locks 1 through 4, to get
16 the word out that we're open for business on the first
17 four pools, to provide proof positive that the river is
18 a safe river for recreation and swimming and skiing, and
19 the website.

20 I'll be glad to answer any
21 questions.

22 CHAIR SIPPLE: Thank you.
23 Michael, we know you have a lab at the sewage treatment
24 plant, and we wondered if we could contract with you to
25 do the sampling for us because it was going to be five

1 times a month for five months, and we can take it to
2 Lexington on Regency Road but that's quite a drive. And
3 we thought if we could contract with you all at the same
4 price----

5 MR. FLYNN: For a small fee.

6 MR. GRAVES: If we build you a dam
7 at 10----

8 CHAIR SIPPLE: If we build you a
9 dam at 10, will you do our sampling?

10 MR. FLYNN: We'll work something
11 out.

12 CHAIR SIPPLE: Okay. Great.
13 Thanks.

14 So, that's what we've come up with
15 and this has been a lot of work by the members of this
16 committee and a lot of travel time, too.

17 So, does anyone have any
18 questions? Herbbie, do you have any questions about
19 this committee?

20 MR. BANNISTER: I think it's a
21 great idea. I like all your suggestions and I
22 appreciate all the work you all are doing. Like you
23 said, I know Rodney has done a lot of traveling. He has
24 called me a couple of times about the work that he's
25 gotten accomplished and I'm all for it.

1 I just had one question about the
2 separate web page, website. I was just curious, would
3 it be more efficient to try to keep it on one website?

4 CHAIR SIPPLE: The Kentucky River
5 Authority has a website which is managed through the
6 Finance Cabinet. I believe that's right, Paul.

7 So, Jerry was going to talk to
8 Legal and see if people went to the River Authority
9 website, we could have a link to just the Kentucky River
10 website that would give us more information about
11 festivals.

12 That's not the function of the
13 River Authority to have all those types of things on
14 there, but if we had a separate website that we could
15 link through our Kentucky River Authority website, then,
16 that would just be about activities on the Kentucky
17 River.

18 We would probably partner with the
19 Riverkeeper or somebody like that, but we have been
20 accumulating a lot of information with all our different
21 committees up and down the river about each pool.
22 Mary's Jessamine County River Task Force has come up
23 with a really lovely brochure that they've printed, but
24 a lot of people, they'll just say, okay, I'd like to go
25 paddling on the Kentucky River some weekend. Wonder

1 what there is to do on the Kentucky River?

2 If they go to the Kentucky River
3 Authority, if they Google Kentucky River and Kentucky
4 River Authority comes up and they click on that, then,
5 there's a link there that says a Kentucky River-
6 sponsored website.

7 I know Cathy and Jim Cummins have
8 done websites for several agencies that I've had
9 affiliations with. They do a really great job of
10 keeping up with activities and they're real easy to
11 access.

12 The biggest problem with the
13 Kentucky River Authority website is it's really hard to
14 change anything on there. We would have a separate--
15 this is not Jennie's job. It's not Sue's job. It's not
16 Jerry's job or any of our jobs to keep those things
17 taken care of, whereas, the Cumminses would take care of
18 that with a separate website.

19 I think that money would be better
20 spent on that than trying to advertise and put rack
21 cards out about the events, and it's much more current
22 than something like a brochure or anything like that.

23 MR. BANNISTER: I think it's a
24 fabulous idea. My only comment came from the fact, I
25 think early on at the Plant Board, we had two or three

1 websites and we ended up sticking with one, but I think
2 what you all have done on this subcommittee is great.

3 CHAIR SIPPLE: Thank you.

4 MR. GRAVES: Paul, help me. I
5 think if I talked to Pat Magee or somebody over at Legal
6 first to see if we could do it, if we get that blessing.
7 I know Parks in Tourism does it. If you listen to WHAS,
8 you will hear somebody from Tourism on there all the
9 time, what's the coming events in the park and it's on
10 there almost weekly upcoming events like that.

11 So, we'll check to make sure that,
12 you know, I protect this organization, that, (a), I can
13 do it, then, we'll come back.

14 CHAIR SIPPLE: It wouldn't just be
15 called Kentucky River Authority. We would have a
16 different domain name than the Kentucky River Authority.
17 It would probably be something like Kentucky River
18 Recreation, something like that where we could refer to
19 it.

20 MR. GRAVES: We're getting calls
21 not daily but quite a few calls from people on the Ohio
22 River and up and down through there - what are you
23 doing, what's going on? We're hearing this. We're
24 hearing that. And we appreciate those calls and I want
25 those calls, but if we have something out there that

1 they can link on to, just like you can link on with
2 what's going on at the Kentucky River as far as height.
3 So, the more dissemination, it just helps us and what
4 we're doing.

5 CHAIR SIPPLE: Thank you very
6 much, Rodney. Do we have a motion to accept this report
7 and go forward with disbursing some of these funds?

8 MR. BANNISTER: So moved.

9 MR. WELLS: Second.

10 CHAIR SIPPLE: We have a motion
11 and a second. Any further discussion? All those in
12 favor, signify by saying aye. Any opposed? Thank you
13 all very much.

14 Now, David, you're up -
15 Engineer's Report.

16 MR. HAMILTON: I've just got a
17 very brief report this month.

18 I'll begin with an update on our
19 two ongoing projects, the first being Dam 8. Obviously
20 they've been shut down. I believe they had just
21 finished up for last year at our early December meeting
22 and have been in pretty much winter shutdown mode since
23 then. I do not have a date when they will be getting
24 back out on the river. I would imagine it would be
25 probably within the next month, month and a half. The

1 river kind of will dictate that time frame.

2 The Lock 1 and 2 project, since
3 our last meeting, they have reset the upstream gates at
4 both locations. The contractor has been granted
5 substantial completion on that project as of February
6 12th.

7 According to their schedule, they
8 feel like they've got about a week's worth of work to go
9 through a punch list of items that we would want to be
10 done in order to reach substantial completion. Given
11 their track record, we'll give them two or three weeks.

12 The primary thing that's left for
13 them to do is the dredging. They've not done that.
14 That will be at both locations, Locks 1 and 2. Other
15 than that, there is some leakage, some gaps that we
16 weren't satisfied with that we want them to go back and
17 take a look at and address.

18 Other than that, it's some minor
19 concrete work, paint touch-up, like I said, about a
20 week's worth of good work to get all that done. Right
21 now it's shut down with the Ohio River backed up at both
22 sites. So, both projects are kind of in a winter
23 shutdown mode at the time right now.

24 MR. SIMPSON: Is the Ohio all the
25 way back to----

1 MR. HAMILTON: It was as of late
2 last week.

3 MR. GRAVES: Two almost got at the
4 road, at the top of the road.

5 MR. RUSSELL: It started falling
6 yesterday.

7 MR. HAMILTON: It got all the way
8 up to the basement of our--seven feet up in the basement
9 of our office building at Lock 1.

10 MR. GRAVES: If I could interrupt
11 you, David. On the dredging, I just want to clarify on
12 what we've got contracted.

13 The dredging is I think 100 feet
14 below the gates, inside the chamber and 100 feet on the
15 upper side. So, with dredging, all they're doing is
16 moving mud around. When you hear dredging, I think
17 about going from here to here.

18 So, just to kind of clarify this
19 because at some point in time, we're going to have a
20 dredge boat come up - and we'll talk about this at a
21 later date - to do what I call actual dredging.

22 MR. HAMILTON: Moving on from the
23 projects, we did award a contract to Aquarius
24 Marine----

25 MR. GRAVES: I'm sorry, David. I

1 stole your thunder.

2 MR. HAMILTON: ----basically to do
3 annual dredging. So, that will be from the Ohio River
4 all the way up to Lock and Dam No. 5 and that will be
5 the approaches and also include staggung up and down the
6 river as they encounter trees or what-have-you.

7 MR. WELLS: Do they do that at any
8 certain time of the year or throughout the year?

9 MR. HAMILTON: They will do that
10 upon our request. We like to do it in the spring.
11 Typically that's when all your silt has come down from
12 winter flooding. We are prohibited during the fish
13 spawn season, which is April 15th to June 15th, which is
14 basically kind of tricky because ideally we'd like to
15 get out there before the locks open and get it all
16 ready.

17 So, what we're looking to do is to
18 do it from June 15th, have them ready to go as soon as
19 possible. Typically that early in the year, your water
20 depth, your water levels are going to be somewhat higher
21 than they are in the middle of the summer. So, the
22 places where you would have shallows won't necessarily
23 be quite as bad as they would be in July or August when
24 your river levels are much lower, so long as your areas
25 around your gates are free so that you're not swinging

1 your gates through mud and putting more strain on your
2 gates than you need to. So, to answer your question is
3 the early June period is when we would like to do it.

4 MR. STICKNEY: Who did you say the
5 company was?

6 MR. HAMILTON: Aquarius Marine.
7 They were the one and only bidder.

8 MR. WELLS: They don't work on
9 weekends, do they?

10 MR. GRAVES: Probably not. The
11 approaches, we can almost - help me, Bobby - but by
12 flushing the gates, we can take care of a lot of the
13 approaches but some of it they will have to do.

14 So, I'm hoping on June 15th that
15 Aquarius will be right there at the lock gates ready to
16 come this way. They were the only people who bid on it.

17 MR. HAMILTON: It's a unit price.
18 So, basically there's a charge for mobilization to the
19 mouth of the Kentucky River. There's an hourly charge
20 on travel time, an hourly charge on crane time and an
21 hourly charge on compressor time if they have to blow
22 off to get near the gates. They can't use the crane in
23 that area. And then there's also some built-in time for
24 downtime.

25 MR. RUSSELL: That dredging, is

1 that the sailonline on the chart maps? How do they know
2 what to dredge?

3 MR. GRAVES: Well, what we're
4 going to do, Tom, David and Bobby and I think Jennie
5 took a trip, too, we did some sonar work in-house all
6 the way from Carrollton all the way to the Lock 5. So,
7 we have a pretty good idea of where we need to do some
8 of this.

9 MR. RUSSELL: We did some of that.

10 MR. GRAVES: We know like at
11 Stoney Creek, you've got debris almost all the way
12 across the creek. And we're going to try and have one
13 of our guys go and say here, here. We're not going to
14 be able to pick it clean. Probably the first year will
15 be a little heftier cost and this is on our master
16 agreement where we don't have to bid it out each year
17 and we just call them up and say come do it.

18 MR. STICKNEY: Who takes care of
19 any permitting costs or disposal permitting?

20 MR. HAMILTON: We are allowed in-
21 stream disposal on our permit. We had to fight for that
22 quite a while. So, it is in-stream disposal. Our
23 permit, we have permits from DOW and from the Corps of
24 Engineers. One of them has still got six or seven years
25 before it expires and the other one I think has only got

1 one or two more years, so, we'll be starting that up.

2 MR. SIMPSON: What does in-stream
3 disposal mean?

4 MR. HAMILTON: Well, over the
5 years they've done all kinds of stuff. A lot of times,
6 what they will make you do because they don't want that
7 silt to be redeposited and cover up mussel beds or fish
8 spawning. So, a lot of times it gets trucked out to a
9 fill site somewhere.

10 Basically we're allowed to swing
11 that over. So, if we're dredging in the lower approach,
12 swing that out in the main channel on the other side of
13 the lock wall and dispose of it in the river.

14 MR. STICKNEY: And who makes that
15 determination, in-stream disposal? Is that the Division
16 of Water or the Corp of Engineers?

17 MR. HAMILTON: They both signed
18 off on that. Historically, that's how--I don't think it
19 has ever been trucked out of the Kentucky River. The
20 only two other means that I've ever heard of is they
21 used to have like a hopper barge. They would fill that
22 hopper barge and go to a deep hole and dump it in the
23 deep hole.

24 The other way they would do it is
25 they would take it and throw it right up on the bank,

1 and then the next storm, it would call come right back
2 in.

3 MR. STICKNEY: Is that standard
4 operating procedures for river environments nationwide?

5 MR. HAMILTON: Well, I guess I
6 can't speak nationwide. I mean, I think it's pretty
7 common practice for the Corps to do it as far as when
8 they get a big sandbar out in the Ohio.

9 One other thing, since you're
10 going to do our E.coli, we will proceed with the Dam 10
11 design. The update on that is we're in the process with
12 Finance in selecting a firm. A firm will be selected
13 tentatively the first week of April.

14 At that time, we will sit down
15 with Finance and the selected firm, come up with an
16 exact work order and proposal. And I believe our next
17 Board meeting will be early May. So, we'll bring that
18 and hopefully have a cost proposal and everything
19 associated with it for that Board meeting.

20 MR. BANNISTER: What is the
21 ballpark cost for the dredging?

22 MR. HAMILTON: It could vary. If
23 you go back and look at the hourly numbers, it varies
24 and there's a huge standard deviation on it based on how
25 much flooding you have.

1 A good number would be, you know,
2 if you have very minimal flooding, \$30,000 to \$60,000.
3 Higher would be \$100,000 to \$150,000.

4 Basically when we bid this out, we
5 put in numbers what we thought would be this first year;
6 and for this first year, I think it came out \$153,000.

7 MR. GRAVES: We have \$300,000,
8 Herbbie, set aside in the fund for this.

9 MR. WELLS: Who picks up the logs
10 that are stuck in the--would the dredging pick up the
11 debris that----

12 MR. GRAVES: They would pick them
13 up and take them somewhere. I figure the worst thing
14 that could happen, they bring them down and we could
15 unload them at 4. We could cut them up - I'm talking
16 about the trees - we'll cut them up and haul them off
17 and do something like that in-house to save some money.

18 I don't know if anybody is
19 familiar, but when the Corps came up when I was growing
20 up, the Corps would pull all the snags, especially after
21 the '78 flood, and they didn't care if you owned the
22 property or I owned the property. If there was a big
23 washout, they would go in and stick that stuff on the
24 bank and there it would be. They didn't care if you
25 owned it or whatever. That's where it was because I had

1 it put on my property. It took me about seven years to
2 cut all the wood up.

3 So, we're going to be a little
4 more tactful about that. If we get a lot of snags, if
5 we have to, we'll haul them to 4 or 3, put them on the
6 bank, cut them up and do something with it. That's a
7 good question.

8 I think this first year. Of
9 course, when is the last time this thing has been
10 dredged?

11 MR. HAMILTON: It was '03, I
12 think.

13 MR. GRAVES: It's been twelve
14 years and we've had a whole lot of high water and a
15 whole lot of washout.

16 MR. STICKNEY: Will that be coming
17 out of the Tier I Fund?

18 MR. GRAVES: That comes out of our
19 Maintenance Pool.

20 CHAIR SIPPLE: Thanks, David.
21 Jerry.

22 MR. GRAVES: I would like to first
23 start off and apologize to the Board. If you tried to
24 call me on my State phone and you didn't an answer,
25 there's a reason for it. I went from a Blackberry to a

1 Smartphone, and David told me, he said, these things are
2 idiot-proof. Well, I guess I proved my knowledge of
3 them because the phone and I have had difficulties. I'm
4 going to get my granddaughter help me figure it out.
5 So, I will apologize to you.

6 I know Herbbie called and left a
7 message and thought I was ignoring him. So, that's not
8 the case. It's just operator error, and I will
9 eventually get it working. So, I apologize to you on
10 that note.

11 A few things I'd like to address.
12 Jennie and I had a conference call a week ago Monday
13 with the Army Corps of Engineers, and this concerns the
14 renovation of the lockhouse which has been approved a
15 year ago. And, so, we had a conference call.

16 They're pretty good about
17 shoveling things over and then forgetting about them.
18 So, the conversation started out, I said seven and a
19 half months ago, I met with you all and you all said you
20 would get me something in writing.

21 And here we are seven and a half
22 months later and we're nowhere. I said I have to answer
23 to a Board, and I've had a lot of Board members ask me
24 questions - how is the lockhouse coming. Well, it's
25 not. We've done a little work. We discovered lead

1 paint but I knew that.

2 So, anyway, I have been assured by
3 the Army Corps of Engineers within thirty days, I will
4 have the last letter to move forward on the renovation
5 of the Lock 4 house. I said what not better to have a
6 ribbon-cutting ceremony on the 27th day of June and
7 hopefully to have - and I threw out everybody who was
8 anything - I forgot to include you----

9 MR. WELLS: I'm not an anything,
10 so, you don't have to worry about it.

11 MR. GRAVES: I included the
12 Governor and the State Reps and everybody. I said, what
13 not to have better to open up this system back and have
14 some work going on at Lock 4. So, Jennie and I were
15 assured that that will happen. And I've done just about
16 everything I can do except go up there and put a strong
17 arm around their neck. So, that's an update on that.

18 Again, the River Blast is the 27th
19 day of June. This Board will get a formal invitation,
20 but I'm giving you the invitation there. I'm telling
21 people we're going to have a great venue. I think
22 there's a concert series that Friday night and we've had
23 boaters from the Ohio River requesting to come up. We
24 need a good sunny day and low water. So, put that on
25 your schedule.

1 The proposed next Board meeting
2 will be sometime in May, probably after Derby but before
3 Memorial Day. So, the second or third week of May. Put
4 that on your tentative schedule, and we thought we would
5 have it at High Bridge. As the weather warms up, we
6 like to move it around. So, the next one, if the Board
7 agrees to have it at High Bridge. Do we do lunch?

8 MS. WOLFE: We can.

9 MR. RAINWATER: We'll provide
10 lunch for you from Wilmore.

11 MR. GRAVES: Thank you, sir, we
12 appreciate that. That's great.

13 Other than that, we're moving
14 right along. Everybody says this is your downtime.
15 This is not a downtime at KRA. This is just another
16 day. Our guys work year-around. Bobby has got a tough
17 task. He's got guys that are wet behind the ear as far
18 as locking.

19 As soon as the water goes out,
20 we're going to do a training exercise, an education
21 exercise and we're going to go up to each one of these
22 locks and each one of these guys is going to lock a boat
23 and there be a boat inside. So, they're going to
24 experience what it is to be locked and how it feels to
25 be up on a lock wall.

1 After every high-water event, we
2 go back and check these facilities to make sure we cover
3 things and see if we've got problems, and we do have
4 problems, but we'll address those.

5 Other than that, we're just moving
6 right along and life is good. Thank you.

7 CHAIR SIPPLE: And what you didn't
8 mention was the flooding in your office.

9 MR. GRAVES: I got a call on
10 Saturday when the temperature got down to like six
11 below. We had water about four inches deep in our
12 office all the way up to the copier. So, that's another
13 reason to get out of this facility that we're in.

14 Plus, for those who haven't heard,
15 it's \$25,000 to us that goes back into Tier I Funds and
16 that will allow us to buy lawnmowers, weed-eaters, tools
17 and things that we greatly need. It's not just moving
18 over. It's an economical event for us, too. Thank you.

19 CHAIR SIPPLE: Thanks. There was
20 one thing that we did not discuss that was brought up at
21 the last meeting and that was setting of more permanent
22 set of meetings, maybe a quarterly meeting on the third
23 Wednesday of every month or something.

24 I wanted to have a real quick
25 discussion about that. I think that's important. It is

1 hard to get this many people together for a meeting. I
2 think Jennie starts about a month ahead of time trying
3 to pick a date.

4 Could we throw a couple of dates
5 out that might be potential? I think if we had four
6 regular meetings a year, quarterly meetings a year and
7 then special-called meetings as need be, but if we can
8 pick a date that would be good.

9 I know our Fiscal Court meets two
10 Wednesdays a month, so, we don't want it to be a date
11 that won't work for everybody to get there, but could we
12 have a couple of dates thrown out?

13 MR. WELLS: What Wednesdays do you
14 meet because Wednesday is probably a pretty good day?

15 CHAIR SIPPLE: Well, that was my
16 question to you because, in Winchester, it's the first
17 and third Wednesdays but it doesn't matter to me. I'm
18 not on the Fiscal Court; but if there's anyone here who
19 has a regular Board meeting that they can't have, but if
20 we could just pick a date.

21 Wednesday, this is good for me. A
22 lot of times we've met on Fridays. Fridays are often
23 not good times for other people. So, would we like to
24 try to set a date and we could either just propose it
25 this month or we could go on and set these?

1 MR. WELLS: How about the second
2 Wednesday on a quarterly schedule?

3 MR. GRAVES: By statute, we have
4 to meet once a quarter.

5 MR. WELLS: So, this ends the
6 first quarter. So, the second quarter. The next
7 question would be when in the quarter do you want--which
8 month of the quarter do you want to meet?

9 MR. GRAVES: I think we usually go
10 in May.

11 MS. WOLFE: We have to renew
12 contracts every year and those are due June 30th. So,
13 we'll have to have enough time to get the contracts
14 signed.

15 MR. WELLS: So, you would need to
16 meet probably the third week or the fourth week.

17 MR. GRAVES: And also we have the
18 budget. It's just----

19 MR. WELLS: Aren't there special-
20 called meetings, though, too?

21 CHAIR SIPPLE: We can do special-
22 called meetings to accommodate some of those issues.

23 MR. GRAVES: It's tough because
24 this young lady right here is the one that----

25 MR. WELLS: What does she

1 recommend then?

2 MS. WOLFE: I'm fine. We would
3 have to have special-called meetings for budget and
4 contracts.

5 CHAIR SIPPLE: But we do that
6 anyway; but this way, it might be easier for everybody
7 to know a year in advance when our regular meetings were
8 going to be, and then our special-called meetings would
9 be that much less that you would have to worry about.

10 MR. GRAVES: Could I make a
11 recommendation?

12 CHAIR SIPPLE: Sure.

13 MR. GRAVES: I know we have some
14 elected officials here and I know Herbbie has a board.
15 I know James sits on other boards.

16 MR. KAY: If you're looking at me,
17 the third or fourth week is pretty much out on
18 Wednesdays and Thursdays. The first two would be fine.

19 CHAIR SIPPLE: How about the
20 second?

21 COURT REPORTER: The first week
22 works for me real well, the first week because I have a
23 standing meeting the first Wednesday of each month
24 that's in the morning.

25 MR. GRAVES: Jennie and I will sit

1 down and toss out some times to you.

2 CHAIR SIPPLE: It sounds kind of
3 like the first Wednesday may be the best.

4 MR. GRAVES: And we'll make sure
5 that we accommodate everybody's schedule and try to make
6 it work. I'm all for it. It makes it nice to know as
7 opposed to when is the next Board meeting, etcetera. To
8 get twelve members here, it's like herding cattle.

9 CHAIR SIPPLE: This group has been
10 wonderful to accommodating each other needs and we
11 almost always--I don't think I've had a meeting where we
12 have not had a quorum. And, so, I know a lot of you
13 drive long distances.

14 So, if this would make it easier
15 for everybody that we schedule four regular meetings and
16 then special-called meetings as needed, I think that
17 would make it easier for everyone.

18 MR. WELLS: So, could Jennie send
19 out something to us about this is the way it's going to
20 be for the rest of the year and we can do special
21 meetings as we meet?

22 MR. GRAVES: We'll converse with
23 you guys. We'll work it out and hopefully have it
24 resolved here sooner than later.

25 CHAIR SIPPLE: Okay. We heard a

1 couple of things today. I'm really excited to get
2 started on the engineering design for Lock and Dam 10.
3 The Recreation Committee, that's been a really wonderful
4 subset of this group. I'm very happy to be involved to
5 do anything we can to promote our beautiful river.

6 That's all I have for my report
7 today. So, thank you all for coming.

8 MR. WELLS: I move to adjourn.

9 MR. SIMPSON: Second.

10 CHAIR SIPPLE: All those in favor,
11 signify by saying aye.

12 MEETING ADJOURNED

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STATE OF KENTUCKY

COUNTY OF FRANKLIN

I, Terri H. Pelosi, a notary public in and for the state and county aforesaid, do hereby certify that the foregoing pages are a true, correct and complete transcript of the proceeding taken down by me in the above-styled matter taken at the time and place set out in the caption hereof; that said proceedings were taken down by me in shorthand and afterwards transcribed by me; and that the appearances were as set out in the caption hereof.

Given under my hand as notary public aforesaid, this the 26th day of March, 2015.

Notary Public
State of Kentucky at Large

My commission expires February 10, 2017.