

COMMONWEALTH OF KENTUCKY

IN RE: KENTUCKY RIVER AUTHORITY

MEETING NO. 187

May 14, 2018
1:00 P.M.
Bush Building
Wapping Street
Frankfort, Kentucky

APPEARANCES

Mike Flynn
CHAIR

Rodney Simpson
Huston Wells
James Kay
Jonathan Lang
Thomas Stephens
Mark Smith
Barry Sanders
Harold Rainwater
Kevin Rogers
Melinda Hill
(Proxy for Finance & Admin. Cabinet)
Mr. Tom Gabbard
(Proxy for Energy & Environment
Cabinet)
KENTUCKY RIVER AUTHORITY

Mr. Jerry Graves
EXECUTIVE DIRECTOR

CAPITAL CITY COURT REPORTING

TERRI H. PELOSI, COURT REPORTER

900 CHESTNUT DRIVE

FRANKFORT, KENTUCKY 40601

(502) 223-1118

APPEARANCES
(Continued)

Sue Ann Elliston
David Hamilton
Bobby Webb
KRA STAFF

John Brady
Daniel Gilbert
Ben Webster
Robert Hatton
David Brown Kinloch
Carol Smothermon
GUESTS

AGENDA

| | |
|---|---------|
| Motions | 4 - 5 |
| 1. Call to Order | 6 - 8 |
| 2. Approval of Meeting Minutes of April 9, 2018 | 8 - 9 |
| 3. Financial Report - David Hamilton..... | 9 - 22 |
| 4. Consideration of USGS FY 2019 Contract Addendum for gage operations - David Hamilton | 23 - 38 |
| 5. Engineer's Report - David Hamilton | 38 - 39 |
| 6. Executive Director's Report | 39 - 45 |
| 7. Chairperson's Report | 45 - 49 |
| 8. Adjourn | 49 |
| Court Reporter's Certificate | 50 |

MOTIONS

**MOTION TO APPROVE MINUTES OF
APRIL 9, 2018.....PAGE 9, LINE 3**

MR. KAY: So moved.
MS. HILL: Second.
CHAIR FLYNN: Motion and a second. Any
discussion? Seeing none, all in favor,
say aye. Motion approved.

**MOTION TO APPROVE FINANCIAL
REPORTS.....PAGE 22, LINE 8**

MR. WELLS: So moved.
CHAIR FLYNN: A motion from the Judge.
MR. ROGERS: Second.
CHAIR FLYNN: Second from Mr.
Rogers. Any further discussion on the
Financial Report? All in favor, say aye.
Motion passes.

**MOTION TO AMEND AGREEMENT
WITH USGS MADE AT APRIL 9,
2018 KRA MEETING AS FOLLOWS:
REMOVE INSTALLATION OF
STREAMGAGE ON LOWER LOCK 4 FROM
THE CONTRACT AT A COST SAVINGS
OF \$16,000 AND ADD A STREAMGAGE
AT LOCK 1 AT A COST OF \$11,000
WITH ANNUAL MAINTENANCE FEE
OF \$6,000.....PAGE 29, LINE 24**

MR. SMITH: I'll make a motion to approve
the expenditure for the gage.
(Discussion)
CHAIR FLYNN: So, we have a motion from
Mark Smith for that. Do I have a second?
MR. SIMPSON: I'll second his motion.
CHAIR FLYNN: I have a second from Rodney
Simpson. Any further discussion? All in
favor, say aye. The motion passes.

MOTIONS
(Continued)

**MOTION TO ELECT MARK
SMITH AS SECRETARY OF
KRAPAGE 46, LINE 21**

MR. KAY: I make a motion.
CHAIR FLYNN: There is a motion.
SECRETARY THOMAS: Second.
CHAIR FLYNN: We've got a second. There
being no further discussion, all in
favor, say aye. Motion passes.

MOTION TO ADJOURN.....PAGE 48, LINE 9

MR. WELLS: So moved.
(Discussion)
MR. ROGERS: Second.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

CHAIR FLYNN: Thanks, everybody,
for coming out today. We will start with introductions
on the outside of the room and then we'll come to the
table and we'll have the roll call for the Board.

(INTRODUCTIONS)

CHAIR FLYNN: Sue, do you want to
do the roll call, please?

(ROLL CALL)

MS. ELLISTON: We do have a
quorum.

CHAIR FLYNN: All right. The
first order of business before we go to the minutes, we
did have some appointments that occurred since the time
of our last meeting.

And with those appointments,
Secretary Thomas Stephens out of Lexington was
appointed to replace Jack Stickney on the Board and his
appointment was May 8th of 2018.

Then Mr. Kevin Rogers was
reappointed to the Board at the same time and we're
glad to have Kevin back to serve another term that will
expire in 2021.

And, then, it's good also to have
Mr. Jonathan Lang with us who was appointed on May 14th
to replace Ms. Pat Banks in her position on the Board

1 with a September, 2021 expiration date. Good to have
2 both of you--well, Mr. Stephens is not here today.
3 It's good to have you, Mr. Lang, with us today.

4 Ms. Melinda, she came in under
5 fire at the last meeting and it was a tough one to come
6 in on. We've got several new appointments and you will
7 kind of learn as you go a little bit here. And if
8 there are any questions, definitely take the
9 opportunity to ask those questions.

10 Since we've got so many new Board
11 members here - she did the roll call - it may be in
12 good order for us just to go around and tell who we are
13 and who we are representing as we sit here on this
14 Board and I'll start. I'm Mike Flynn. I'm the General
15 Manager with Winchester Municipal Utilities in
16 Winchester, Kentucky.

17 MR. SMITH: I'm Mark Smith. I'm
18 a representative from Carroll County, Carrollton.

19 MR. SANDERS: I'm Barry Sanders.
20 I'm a professional engineer.

21 MR. GABBARD: Tom Gabbard. I'm
22 proxy for Charles Snavely, Secretary of Energy and
23 Environment Cabinet.

24 MS. HILL: Melinda Hill, proxy
25 for Secretary Landrum.

1 MR. KAY: I'm James Kay, a river
2 rat from Woodford County.

3 MR. WELLS: Well, I'm not going
4 to top that, even though I'm a river rat. I'm Huston
5 Wells, County Judge Executive here in Franklin County.

6 MR. SIMPSON: I'm Rodney Simpson.
7 I'm retired from the local power company and a member
8 of the Board.

9 MR. RAINWATER: I'm Harold
10 Rainwater. I'm Mayor of Wilmore.

11 MR. LANG: I'm Jonathan Lang,
12 Deputy Executive Director of the Kentucky Horse Park.

13 MR. ROGERS: And I'm Kevin
14 Rogers, Vice-President of Operations for Kentucky
15 American.

16 MR. GRAVES: I'm Jerry Graves.
17 I'm with the River Authority and I'm an old, old river
18 rat.

19 CHAIR FLYNN: All right. I
20 appreciate that and, again, I appreciate everybody
21 coming out today.

22 The first order of business is
23 approval of the minutes from our previous meeting. You
24 should have gotten those - I think Sue sent those out
25 in an email - and had an opportunity to review those.

1 And if there are no questions, I'll take a motion to
2 approve those minutes.

3 MR. KAY: So moved.

4 MS. HILL: Second.

5 CHAIR FLYNN: Motion and a
6 second. Any discussion? Seeing none, all in favor,
7 say aye. Motion approved.

8 Now we'll move on to Item No. 3
9 on the agenda which is the Financial Report, David and
10 Jerry.

11 MR. HAMILTON: You should have
12 the Financial Reports for January, February and March.
13 Everybody should have hard copies. I don't think I got
14 it emailed out to the new Board members but did
15 everyone get one that needed one? Okay.

16 We'll start with January. The
17 beginning cash balance in our Tier I which is our
18 General Operations Fund, the beginning cash balance was
19 \$713,560.47. We had interest income in January of
20 \$730.84 which was our total revenue for the month.

21 The expenditures out of that fund
22 for the month were \$62,839.91 which included salary and
23 benefits, professional services, operating expenses and
24 a payment on the Watershed Management contract with UK.
25 That fund ended the month with a balance of

1 \$651,451.40.

2 Moving on to the Tier II Dam
3 Maintenance Fund - for the new members, this is what we
4 fund our capital construction projects with, primarily
5 the debt service - the beginning cash balance in the
6 Tier II Dam Maintenance Fund was \$5,017,669.30.
7 Interest income for the month was \$5,415.62 which was
8 our total revenue for the month.

9 We did have a transfer of \$32,800
10 out of this fund into the Capital Project Fund, C72K,
11 to fund engineering services through the bid phase of
12 the Dam 10 project and a small change order to address
13 a waterline that was found on the site. The cash
14 balance at the end of the month for the Tier II Fund
15 was \$4,990,284.92.

16 The KRA Equipment Replacement
17 Fund had a beginning balance of \$22,479.68. We had no
18 revenues or expenses in that fund, so, it closed the
19 month with the same balance.

20 The General Fund which is our
21 Lock and Dam Operations Fund began the month with a
22 balance of \$96,716.52. The expenditures for the month
23 were \$21,188.78, and this included salary, professional
24 services and operating expense. The General Fund ended
25 the month with a balance of \$75,527.74.

1 The Capital Projects Funds for
2 the month in January, we had three funds that had
3 activity. The Dam 8 Renovation Fund which is C5RQ had
4 expenditures of \$20,755 in January, ending the month
5 with a balance of \$72,759.85.

6 The Interest Earning Capital
7 Account, C6TR, had interest income in the month of
8 \$142.52, ending the month with a balance of \$48,507.55.

9 The Dam 10 Design Fund, C72K, had
10 expenditures of \$999 in January. And, again, this was
11 where the transfer came into from our Tier II Dam
12 Maintenance Fund of \$32,800. So, that left the month
13 end balance at \$32,801.

14 Any questions on the January
15 statements?

16 MR. GABBARD: I'm curious, David,
17 on that waterline. Is that the park?

18 MR. HAMILTON: It was an
19 abandoned line that maybe serviced the park back
20 historically. It has since been replaced. There were
21 some plans found back--oh, when do they date back to
22 when they replaced it?

23 MR. PATTON: I don't remember
24 what the date of replacement was. It was a while back.

25 MR. HAMILTON: Yes, but we met

1 onsite. Mike met us out there because it was tied to
2 their system. So, we verified on their end that it was
3 a dead line.

4 MR. GRAVES: I want to think back
5 in the seventies. Does that sound right?

6 MR. FLYNN: With the park.

7 MR. PATTON: I think when they
8 built the fort, they put in a bigger waterline that
9 supported the fort there.

10 MR. HAMILTON: Right. So, we did
11 verify that or Stantec verified that. They did have to
12 update their drawings a little bit to depict that
13 because it does come across the actual construction
14 site where one of the cells will disturb it or at least
15 that bank treatment. So, there was a small cost
16 associated with that.

17 MR. GABBARD: But it's an
18 abandoned line.

19 MR. HAMILTON: It is an abandoned
20 line, right. There is another active line on the site
21 that is not to be disturbed, but the one that was found
22 was found to be abandoned.

23 Moving on to February, again,
24 starting with the Tier I, General Operations Fund, and
25 for the new members, Tier I, we basically have two

1 tiers that we charge a water user fee on. The Tier I
2 is a fee that applies to any withdrawals in the
3 Kentucky River Basin. It could be a well source. It
4 could be a reservoir. It could be a smaller river that
5 feeds into the Kentucky. That's the Tier I fee and
6 everybody in the basin pays that tier, including people
7 that draw out of the river.

8 The second fund, the Dam
9 Maintenance Fund, is our Tier II Fund and that is for
10 withdrawers that take water directly out of the
11 Kentucky River, and there is probably fifteen entities
12 or so that have intakes on the river. So, that's the
13 separation of the two.

14 So, the Tier I is our General
15 Operations Fund. Tier II is what we fund our dam
16 maintenance program with.

17 Okay. Where was I? So, Tier I,
18 General Operations Fund. The beginning cash balance
19 was \$651,451.40. The Tier I fee receipts for the month
20 were \$209,366.04, and the interest income was \$775 for
21 a total revenue in February of \$210,141.04.

22 The expenditures for the month
23 out of this fund were \$46,411 which included salary and
24 benefits, professional services, operating expenses and
25 a payment on the Watershed Management contract with UK.

1 The cash balance at month end was \$815,181.44.

2 The Dam Maintenance Fund, the
3 beginning cash balance was \$4,990,284.92. The Tier II
4 fee receipts for February were \$802,346.75, and
5 interest income totaled \$5,841.53 for a total revenue
6 of \$808,188.28 in February. The fund closed the month
7 with a balance of \$5,798,473.20.

8 KRA Equipment Replacement Fund
9 again began with a cash balance of \$22,479.68 and had
10 no revenues or expenses and closed the month with the
11 same balance.

12 The General Fund, Lock and Dam
13 Operations Fund, the General Fund began the month with
14 a balance of \$75,527.74. Expenditures for the month
15 totaled \$21,963.55 which included salary and operating
16 expense. The General Fund ended the month with a
17 balance of \$53,564.19.

18 Capital Project Funds, we had two
19 capital projects that had activity in February. The
20 Interest Earning Capital Account, C6TR, had interest
21 income in February of \$135.91, ending the month with a
22 balance of \$48,643.46.

23 And the Dam 10 Design Fund, C72K,
24 had expenditures of \$7,200 in February. The fund ended
25 the month with a balance of \$25,601.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

Any questions on February?

Moving to the last month, March, beginning with the Tier I, General Operations Fund, the beginning cash balance was \$815,181.44. Tier I fee receipts for the month were \$14,471.47. We had rental income of \$8,300. That is for the hydroelectric plant at Lock 7 which is an annual rental fee. And interest income for the month for Tier I, General Operations Fund, was \$987.88, for a total revenue in this fund of \$23,759.35 in March.

The expenditures for the month were \$118,275.40 which included salary and benefits, professional services, operating expenses and intergovernmental contracts. The cash balance at month end was \$720,665.39.

You may notice when comparing the month-to-month salaries and benefits' amount, there is a pretty good size spike for the month of March. Unfortunately, we didn't give everybody raises. It was for a payout to the Kentucky Retirement System for a past retiree, and this is someone who retired five years ago.

MR. GRAVES: Five or six.

MR. HAMILTON: Five or six years ago. So, they're just getting around to billing us for

1 the sick leave and also something that I hadn't heard
2 of until they billed us for it. It was called a
3 pension spike. So, we had to pay that.

4 I asked if that was unusual.
5 They said they had some ten to fifteen years that
6 people have been past retired but they're just getting
7 around to billing, but I did go back and check and it
8 is an expense we had not paid previously because it did
9 seem odd for it to be that long.

10 You might notice also a spike in
11 professional services this month. This is due to the
12 Auditor's bill from the Auditor of Public Accounts
13 which totaled \$29,130.50 this year.

14 And that is coming up for a
15 renewal. The Auditor of Public Accounts gets rights of
16 first refusal, I guess, for lack of a better term, and
17 they do wish to do our audit again this year. We do
18 not have a contract with them yet.

19 Jerry and I have talked a little
20 bit about maybe requesting a little better detail on a
21 cost breakdown. The audit five years ago was fifteen,
22 sixteen thousand.

23 MR. GRAVES: It was fourteen,
24 almost fifteen thousand seven years ago.

25 MR. HAMILTON: So, I mean, we do

1 have more construction going on but for it to double.

2 MR. GRAVES: David and I have had
3 numerous sit-downs with them explaining how, what, when
4 and where, how they got to where they are and we come
5 out on the short end of the stick.

6 MR. HAMILTON: So, I think with
7 this contract, we would like to see a little better
8 cost breakdown instead of just hours times rate at the
9 end of it when it's all said and done, but that will be
10 coming up here in the next, as far as getting the
11 contract, in the next month or so. The audit itself
12 won't be performed really until the summer or fall of
13 this year.

14 MR. GRAVES: In August, I think,
15 August or September.

16 MR. ROGERS: David, what are the
17 intergovernmental contracts that are listed here?

18 MR. HAMILTON: We just have two
19 of them. One is UK and one is USGS. UK typically
20 bills monthly. USGS bills quarterly.

21 MR. GABBARD: So, that's where we
22 saw the increase was from USGS?

23 MR. HAMILTON: Probably USGS.
24 There was one from UK, too. When Sara left, our old
25 accountant, UK generally emails their invoices, and she

1 left in October and, then, like I guess maybe this
2 month, they said what about this invoice. There was a
3 two-week period there when I thought I was getting her
4 old emails but it wasn't set up correctly.

5 So, it was one of those invoices
6 that fell through the cracks. So, we might have got
7 like a double invoice for a past invoice that we hadn't
8 paid but there wasn't any extra fees from them. It was
9 just, okay, can you pay us, please.

10 The USGS contract is on a
11 quarterly basis. That's usually a \$34,000 charge or
12 thereabouts.

13 MS. HILL: David, in the future,
14 could we get what makes these numbers? Could we get a
15 breakout of these numbers so we could see exactly what
16 went to UK and what went to USGS? That would help.

17 MR. HAMILTON: Yes. Just
18 particularly of the contracts or each one of them?

19 MS. HILL: Each one of those,
20 like, I would like to know what was the total amount.
21 In professional services, what made that number up.

22 MR. HAMILTON: Professional
23 services, the bulk of it is our temp lockmasters, but
24 it's also stuff like the court reporter and stuff of
25 that nature, but I can do that.

1 MS. HILL: That would be great.

2 MR. HAMILTON: Yes, I can do
3 that.

4 MR. WELLS: David, since we're
5 talking about this, you mentioned that we received
6 \$8,300 from rental income and that was for the
7 hydroelectric. Can we get a breakdown of how much
8 electricity and what that is providing? Do we know
9 that?

10 MR. HAMILTON: Yes. Actually, on
11 their web page, they will do it--I can probably contact
12 David Brown Kinloch. He can give it to me in an email
13 because on the web page, it just has year-to-date
14 totals.

15 MR. WELLS: I think that we need
16 to see that as we move forward and kind of----

17 MR. HAMILTON: See how they
18 compare to what a water utility is selling.

19 MR. WELLS: Right.

20 MR. HAMILTON: Yes, we can do
21 that.

22 MR. WELLS: Okay. Thanks.

23 SECRETARY THOMAS: Is that the
24 facility that's in the High Bridge area?

25 MR. HAMILTON: Yes, that's an

1 existing hydro. We do have the same company for all
2 intents and purposes. They've set up separate LLC's,
3 but the same people are----

4 MR. GRAVES: David is here.

5 MR. HAMILTON: Oh, there he is
6 right there. They also have lease agreements with us
7 to develop hydro at Locks 12 and 14.

8 MR. BROWN KINLOCH: And just to
9 let you know, that particular partnership is my company
10 with Berea College and a private equity company,
11 Hardscuffle in Louisville, and we had our financial
12 closing on that project last Thursday and I ordered
13 \$1.7 million worth of turbine generators this morning.
14 So, we're underway.

15 MR. HAMILTON: And, then, we will
16 move to the month of March. That's where we are,
17 right?

18 MR. GABBARD: Yes. I think you
19 were trying to wrap up the Tier I.

20 MR. HAMILTON: Okay. So, yes, we
21 did the Tier I. So, that's why the two spikes. The
22 Kentucky Retirement Systems' bill and the audit bill
23 were some of the unusual things that month.

24 So, the Tier II, Dam Maintenance
25 Fund, the beginning cash balance was \$5,798,473.20.

1 Tier II fee receipts for the month were \$10,854.48, and
2 interest income was \$6,851.66, for total revenue of
3 \$17,706.14 in March. A debt service payment was made -
4 again, this is a quarterly debt service payment that we
5 make - it was made in March for a total of \$535,710.01,
6 leaving the fund with a cash balance at month end of
7 \$5,280,469.33.

8 KRA Equipment Replacement Fund,
9 the beginning cash balance was \$22,479.68. We had
10 revenues in this fund of \$50 in March. So, the fund
11 balance at month end was \$22,529.68.

12 General Fund began the month with
13 a balance of \$53,564.19. The expenditures for the
14 month were \$19,837.30 which included salary and
15 operating expense. The General Fund ended the month
16 with a balance of \$33,726.89.

17 And, finally, the Capital
18 Projects Fund, funds that had activity in March, the
19 Dam 8 Renovation Fund, C5R2, had expenses of \$4,551 in
20 March, ending the month with a balance of \$68,208.85.

21 Interest Earning Capital Account,
22 C6TR, had interest income in March of \$153.54, ending
23 the month with a balance of \$48,797.

24 And, finally, the Dam 10 Design
25 Fund, C72K, had expenditures of \$10,500 in March. The

1 fund ended the month with a balance of \$15,101.

2 Any questions on the Financial
3 Reports for January, February and March?

4 CHAIR FLYNN: Thank you, David.
5 With no further questions, I will take a motion to
6 approve the Financial Report as read by David and
7 prepared.

8 MR. WELLS: So moved.

9 CHAIR FLYNN: A motion from the
10 Judge.

11 MR. ROGERS: Second.

12 CHAIR FLYNN: Second from Mr.
13 Rogers. Any further discussion on the Financial
14 Report? All in favor, say aye. Motion passes.

15 All right. Jerry and David, I
16 know you all, and, Sue, I know all three of you take
17 part in preparing the Financial Reports and we
18 definitely appreciate what you do.

19 We continue to push for a
20 financial person because that's really not part of
21 David's responsibilities and his duties on the Kentucky
22 River Authority. So, I do appreciate what you're doing
23 and we'll continue to try to push forward to see if we
24 can get that financial position filled. So, thanks to
25 you all.

1 We'll move to Item No. 4. It's a
2 consideration of the USGS fiscal year 2019 contract
3 addendum for the gage operations. And, David, this is
4 yours as well.

5 MR. HAMILTON: This is revisiting
6 a decision from the last Board meeting when we were
7 considering the contract renewal for our gage system.

8 For the new members, the Kentucky
9 River Authority helps fund a gage system up and down
10 the Kentucky River that's used for flood prediction.
11 It's used also in times of drought to see how drastic
12 of water withdrawal limitations we have to have. It's
13 also used historically just to see how much water
14 supply we have available in the Kentucky River.

15 And if you will remember at our
16 last Board meeting, we approved essentially the same
17 gage system from last year with the addition of a new
18 gage, an auxiliary gage which was to be put in at the
19 downstream side of Lock 4, and what that would be
20 giving us was a better accuracy. Even though it was
21 going in at 4, it's used in conjunction with the gage
22 at Lock 3 to give you a slope profile and give you a
23 much better accuracy on your flow rates at Dam 3.

24 The additional cost that was
25 approved at the last meeting for that gage was \$16,000.

1 Jerry and I have talked about it
2 in the office a little bit, and it would be our
3 recommendation to not fund that auxiliary gage at this
4 time because we also have another need at Lock 1.

5 Lock 1 currently does not have
6 any gage at all. One of the reasons is it's hard to
7 predict flow there because, at Lock 1, you're only four
8 miles from the Ohio River. So, even though you're
9 reading stage accurately, you don't know if that's Ohio
10 River backwater or Kentucky River headwater.

11 So, that's one reason that we
12 haven't had one in there, but we do need one in there,
13 and Bobby can attest to this. Bobby heads our lock
14 crew. He heads up our lockmasters.

15 And the primary reason that our
16 staff need it is so Bobby can look at anytime because
17 the data is more or less realtime. It's usually
18 updated within every hour, but Bobby, particularly at
19 Lock 1 since it's so susceptible to being flooded, he
20 should be able to pull up on his phone or computer
21 anytime to see what that water level is not only for
22 the boaters' safety but also for deciding whether he
23 needs to send his guys or send himself down there to
24 start stripping our equipment off the lock walls.

25 The cost comparison, so, if we

1 drop the auxiliary gage at Lock 4, that was \$16,000.
2 The cost proposal for the Lock 1 gage - now, the
3 auxiliary gage at Lock 4 was a one-time installation
4 fee of \$16,000. There was no additional ongoing O&M
5 cost associated with it.

6 With the gage 1 that we would
7 like to do instead that staff is recommending, one,
8 it's a stage-only gage which is mainly what we would
9 want it for anyway and the cost comparison on it is the
10 installation cost will be \$11,000 and, then, there will
11 be an ongoing annual O&M cost to feed that data to the
12 Internet and to maintain the gage of it was \$6,000.

13 So, it's an \$11,000 installation
14 and ongoing O&M cost of \$6,000 per year.

15 MR. GRAVES: I think also to add,
16 one of the problems that Bobby has is when he pulls it
17 up on his phone, it gets the reading from Markland Dam.
18 As David said, the water backs up to us, and this past
19 year, we had water in our facilities there. And if he
20 hadn't gone down the day before and just to check it,
21 we would have lost quite a bit of equipment. In fact,
22 how much--what, did you have, a couple of feet or a
23 foot in the main building?

24 MR. WEBB: We ended up with
25 almost two foot in that upstairs office part.

1 MR. GRAVES: So, we had to
2 replace everything. It was kind of a blessing that it
3 got water in there. You say why. Because when Bobby
4 pulled the paneling and all the insulation out, that
5 wiring looked like my grandson and granddaughter had
6 wired it. So, it was an accident waiting for a
7 happening. So, we had to rewire and replace all the
8 paneling, etcetera.

9 So, it's very important for Bobby
10 because when you're talking about the gears and the
11 stuff that's put on the lock walls, if those things are
12 not pulled, we could lose those and that would cost us
13 a lot of money. And as David said, it's very important
14 to boaters.

15 Mark knows. It goes under water
16 so easy and people boat up over the dam. So, I highly
17 recommend this. This is something we actually need,
18 not only for us, the Kentucky River Authority, but for
19 the communities in Carrollton and etcetera.

20 MR. HAMILTON: So, overall, the
21 cost difference on the contract that was approved at
22 the last meeting, at the last meeting, we approved a
23 \$16,000 increase to fund the Lock 3 auxiliary.

24 So, instead of doing that, we
25 would propose doing this gage, stage gage at Lock 1

1 only which, instead of a \$16,000 increase, would be a
2 \$17,000 increase, \$1,000 more than what was approved at
3 the last meeting.

4 CHAIR FLYNN: Appreciate the
5 information you've offered. Anybody got any additional
6 questions for David or Jerry?

7 MR. WELLS: So, you're not going
8 to do 3. You want to do 1 instead.

9 MR. HAMILTON: Right.

10 MR. KAY: Four, right?

11 MR. HAMILTON: Well, it's below 4
12 but it supplements the gage 3.

13 The other thing on losing that is
14 the flood predictions that you get from that, you know,
15 when you get extremely high flows, you can still get
16 your slope because your dams are inundated at that
17 point. At low flows, you've still got pretty good
18 accuracy at 3. So, it just didn't feel like you're
19 getting a lot of bang for your buck as far as tweaking
20 that accuracy at Lock 3 by adding that auxiliary gage.

21 MR. WELLS: Geographically, are
22 there any communities directly on---

23 MR. HAMILTON: So, you've got
24 Monterey there at Lock 3, Lockport at Lock 2.

25 MR. WELLS: Does it get flooded?

1 Is it adversely affected?

2 MR. HAMILTON: Yes, they'll get
3 flooded.

4 MR. WELLS: I thought they were
5 just like partially just small parts of it.

6 MR. HAMILTON: Now, it takes a
7 major flood to get them but yes.

8 CHAIR FLYNN: Is this the only
9 lock and dam that we do not have a gage on up and down
10 the river?

11 MR. HAMILTON: I believe it might
12 be.

13 MR. GRAVES: I think so. I'm
14 pretty sure it is.

15 CHAIR FLYNN: To me, it makes
16 sense to have one on it.

17 MR. HAMILTON: Again, it's only
18 stage only. You could spend ten times more because
19 there's technology out there with Doppler trying to
20 calculate sediment velocities but I don't think it's
21 worth that kind of expenditure.

22 CHAIR FLYNN: For our purposes or
23 for the purposes of the River Authority----

24 MR. HAMILTON: It's primarily for
25 our crew.

1 MR. LANG: The \$16,000 on the
2 other one, was there also an additional \$6,000?

3 MR. HAMILTON: No. Since it was
4 an auxiliary gage tied to 3, for some reason, they
5 weren't going to charge us. This is a contract through
6 USGS, and I guess either they were absorbing that cost
7 or since it was a supplemental gage, maybe they don't
8 charge for that because there is one--we also have a
9 supplemental gage for Lock 4 which is at the lower side
10 of 5 and we're not charged for that. So, it must just
11 be a policy where it's built into it.

12 MR. WEBB: Can I say something on
13 that gage on my behalf? If we had flash floods, I'm up
14 in the middle of the night watching all the gages and
15 we've got all of our equipment. Lock 1 is the only one
16 that I can't go by in the middle of the night unless I
17 get up and drive down to see what it's doing.

18 And we've got the Ohio. If it's
19 not backing up, then, the Kentucky could put Lock 1
20 under without the Ohio coming up at all. So, if I just
21 go by Markland, I don't have nothing to go by.

22 MR. GRAVES: An excellent point.

23 CHAIR FLYNN: Good point, Bobby.

24 MR. SMITH: I'll make a motion to
25 approve the expenditure for the gage.

1 MS. HILL: I have a question
2 before that.

3 CHAIR FLYNN: Yes, ma'am. Go
4 right ahead.

5 MS. HILL: I thought when the
6 gentleman presented this contract last time, he was
7 coming to us and telling us if we qualified for a grant
8 on some of these gages. Do we have a report on that?

9 CHAIR FLYNN: He did and you're
10 right.

11 MR. HAMILTON: He got back.
12 Since it's not in--there's I guess a certain federal
13 register of certain gages, and for some reason, that--I
14 don't know what makes a gage, whether it's in that
15 system or not, but this was not.

16 The Lock 1 gage, they did give us
17 some financing. Originally, the cost was going to be
18 \$16,000. It's not a match like they typically would
19 pay from but they had some equipment funding. And, so,
20 they were contributing \$5,000. So, that's why the
21 installation of the gage at 1 instead of being \$16,000
22 was \$11,000. So, they did find \$5,000 in some kind of
23 equipment funding that they put towards that but they
24 did not have anything on the gage at 3 that would have
25 lowered it.

1 MS. HILL: Okay. Well, he had
2 told us that, but he was looking for the new one,
3 trying to find us some funding.

4 MR. HAMILTON: So, it wasn't like
5 the match like there normally would be, like a 20/80%
6 match, but they've got some kind of equipment fund. I
7 can't remember exactly how they termed it, but that
8 totaled \$5,000.

9 SECRETARY THOMAS: What's the
10 life cycle on the equipment?

11 MR. HAMILTON: Well, since we pay
12 an O&M on it, it's----

13 SECRETARY THOMAS: Perpetuity.

14 MR. HAMILTON: Yes, and basically
15 the technology hasn't changed a whole lot. I mean,
16 probably the biggest change is it's gotten smaller.
17 Essentially what it is, it's an oxygen tank and you've
18 got a line that runs in the river that measures how
19 much pressure it takes to force out air. So, you can
20 calibrate exactly how much head and, then, they go out.

21 The manpower that goes with it is
22 they're having to go out and verify what flow
23 corresponds with that stage, so, if there's any kind of
24 debris or any changes on the dam itself, but the
25 equipment itself, since we do O&M, it gets replaced as

1 it breaks down.

2 The biggest thing really, some of
3 these sites, as you're probably aware, are out in the
4 boonies and most of it is from being shot up with a
5 high-powered rifle. So, Mother Nature, and they're all
6 placed above the 100-year flood.

7 MR. GRAVES: We have a lot of
8 target practice.

9 MR. HAMILTON: Some of them
10 aren't bad. Like the one in Frankfort here actually
11 isn't on the lock. It's on the closed bridge right by
12 the railroad, but some of them like Dam 8 and Dam 6, if
13 you go on the computer and you realize it's flat-lined
14 or it's going crazy and you're like, yeah, somebody has
15 gotten into it, but we call USGS and they're usually
16 out there within a few days.

17 MS. HILL: One more thing, Mr.
18 Chairman. If we went the other route that we talked
19 about last Board meeting, we were having that one-time
20 cost but, then, we were not getting charged anything
21 extra annually.

22 MR. HAMILTON: Correct.

23 MS. HILL: Now we're going to
24 have the one-time installation cost but we're having an
25 annual fee. So, I think that's something to consider.

1 CHAIR FLYNN: Your point is
2 definitely correct, Ms. Hill. I think with not having
3 one on here, David explained the reasoning behind not
4 having that charge or dropping the charge to \$11,000
5 and we're going to absorb the maintenance cost moving
6 forward, but it's something I think that we don't have.

7 I don't know why that they
8 wouldn't have one on Lock and Dam 1. I don't
9 understand why it wasn't put there. I don't know that
10 the staff knows for sure either, but I think for us to
11 provide security for the boaters, for our staff and for
12 them to perform the functions of their job, I think it
13 would be in the best interest of us moving forward, but
14 you are definitely correct. There is a continual
15 annual fee associated with the approval. It's not
16 \$11,000. It's another \$6,000 annually to add to the
17 USGS contract that we approved at our last meeting.

18 MS. HILL: Should we keep them
19 both? I mean, since the other one doesn't have an
20 annual fee, is it in the best interest of Kentucky
21 River to put them where we originally planned last time
22 and this one?

23 CHAIR FLYNN: And add this one
24 on?

25 MR. HAMILTON: I would like, in

1 my opinion, to get a better report from the USGS to see
2 what value is being added. Exactly what ranges are
3 they getting inaccurate reports because if it's just
4 for--you know, USGS, they're in the water business and
5 they're in the water-reporting business.

6 If it's just in their interest
7 that their water reports are accurate which is
8 important, but for our purposes, is it providing real
9 flood protection to somebody or is it providing more
10 accurate drought prediction information?

11 I'd like to get a little more
12 direct feedback, and this is a contract we could amend
13 mid-year if we wanted to add that in, but I would be a
14 little more comfortable getting a little better
15 feedback from them because I was caught off guard a
16 little bit honestly at the last meeting with that
17 request for the auxiliary gage.

18 MS. HILL: Well, should we hold
19 off on this approval to get that report and make sure
20 we are able to compare everything?

21 MR. HAMILTON: I think the need
22 for Lock 1 is real. I think we know that or I know
23 that, but I think we can demonstrate the real benefit
24 we get from it.

25 Going forward, if the budget does

1 get tight, this is a year-to-year contract. Now, you
2 don't want to spend \$11,000 on equipment and then two
3 years from now pull it obviously. So, you want to make
4 sure you make the right decision, but there are other
5 cost-saving measures that we've done in the past
6 because this will give us gages at every lock and dam
7 but we also have some in tributary streams.

8 I think two or three years ago,
9 we dropped a gage on Hickman Creek because USGS about
10 every four or five years, they will up their cost a
11 little bit even with the exact same system.

12 MR. SIMPSON: You've got one in
13 Georgetown, too, don't you?

14 MR. HAMILTON: Georgetown. That
15 was co-funded with I think Scott County Emergency. So,
16 it's not as big of a thing but we do pay some on that
17 one. And some of the gages upriver that are going to
18 have hydro, once you get a hydroplant, it's a little
19 harder to relate stage and flow together because now
20 you've got water going through the turbines.

21 So, there's a cost savings there
22 where you could drop those back to maybe stage-only
23 information. So, going forward, there is cost-saving
24 measures. I think with Lock 1, I think it would be--we
25 feel strongly enough that there's value there to adding

1 that one, whether or not we proceed with the Lock 3
2 auxiliary. That would be my recommendation.

3 MR. LANG: Are there any other
4 ones along these gages that we are paying an annual
5 maintenance fee?

6 MR. HAMILTON: That's basically
7 it. Our contract is \$122,000 for the whole system and
8 that basically is the O&M. So, we don't typically add
9 gages year to year. We have maybe once every five or
10 six years. So, usually installation is not a cost.
11 That's what it is. The O&M is that \$122,000.

12 CHAIR FLYNN: Is there any
13 further discussion? Mark, are you still on?

14 MR. SMITH: Sure.

15 CHAIR FLYNN: All right. So, I
16 want to clarify the motion. The motion is to amend the
17 agreement with USGS that was approved at the last Board
18 meeting. Is that correct? Am I correct, David, in
19 saying that?

20 MR. HAMILTON: Yes.

21 CHAIR FLYNN: To amend that to
22 remove the \$16,000 installation fee for the gage at 3
23 or 4.

24 MR. HAMILTON: Lock 3 auxiliary
25 where----

1 CHAIR FLYNN: And then add a gage
2 at Lock 1 at \$11,000 with an annual maintenance fee to
3 be included of \$6,000 per year.

4 MR. HAMILTON: Correct.

5 CHAIR FLYNN: Is that correct?

6 MR. GRAVES: Yes.

7 CHAIR FLYNN: Mark, are you okay
8 with that?

9 MR. SMITH: Yes.

10 CHAIR FLYNN: So, we have a
11 motion from Mark Smith for that. Do I have a second?

12 MR. SIMPSON: I'll second his
13 motion.

14 CHAIR FLYNN: I have a second
15 from Rodney Simpson. Any further discussion? All in
16 favor, say aye. The motion passes.

17 Thank you, David. So, with the
18 approval, David, what is the expected time frame of
19 that being moving forward?

20 MR. HAMILTON: They'll probably
21 have it in because the contract itself is on our fiscal
22 year. USGS is a federal entity but the contract runs
23 on our fiscal year. So, the new contract doesn't go
24 into effect until July 1st. So, I would imagine it
25 would be ready by then.

1 CHAIR FLYNN: All right. Sounds
2 good.

3 All right, David, you're still on
4 the floor. Engineer's Report.

5 MR. HAMILTON: Well, luckily,
6 that's short. Jerry will touch on a lot of this stuff,
7 so, I will just mention it briefly.

8 We've got the contract in place
9 and Jerry will go into more detail on that as far as
10 the bond sale and everything but we do have a contract
11 in place for Dam 10, and, like I said, I'll leave that
12 for Jerry to discuss.

13 Some of the other stuff that
14 we're dealing with, Dave Brown Kinloch submitted his
15 plans for the hydroplant at 12. The schedule on that
16 is they're going to pursue the construction of that,
17 the one at 12 this year and do the one at 14 next year.
18 So, we're currently reviewing the plan set on that and,
19 then, also working on a right-of-way.

20 We do have the lease and
21 operating agreement with his company for the use of the
22 site, but Jackson Energy that's running the lines to
23 the plant needs a right-of-way to come across the
24 property with their lines. So, we're working with Real
25 Properties on getting that set up.

1 Other than that, our guys have
2 been doing a lot of work. Jerry will get into some of
3 the issues we've run into over the winter with some of
4 the lock stuff, not only the problems that we've come
5 into but some of the stuff our guys have been able to
6 get accomplished this winter.

7 So, with that, I guess I'll turn
8 it over.

9 CHAIR FLYNN: Thank you, Dave.
10 Jerry, do you want to move right on into your report?

11 MR. GRAVES: Sure. As David
12 said, we had the bond sale last Thursday. John Brady
13 from OFM is here. John, correct me if I'm wrong. I
14 think the last time with the bond sale, I think our
15 cost is like 3.62. Is that right----

16 MR. BRADY: Yes.

17 MR. GRAVES: ---on the bond sale.
18 So, OFM was very pleased. So, we're very pleased that
19 went forward and we start tomorrow with a kickoff of
20 Dam 10 here at 1:00. We will meet with Stantec, Mahan
21 and Aquarius Marine and David and I will be on the
22 start of the construction. I would think here in the
23 next short period, they will be putting a shovel in the
24 ground. I think they've got until the first day of
25 June to clear the property, the trees on the bank.

1 So, I think mobilization will
2 take place here soon. So, hopefully, within a short
3 period, they will have a shovel in the ground and be
4 moving forward at 10, something that has been long
5 waited to have.

6 I want to compliment Bobby and
7 Sue on the lock guys on what they've done. We haven't
8 had exactly a flood but we've had a lot of high water,
9 low water. It's been like a yo-yo. Those guys have
10 been working - I don't know if anybody knows - but
11 after the river goes down, you've got to clean up the
12 mess and then flush the valves.

13 Like I said, we've got more work
14 than we've got people and they have been doing a heck
15 of a job, plus remodeling 1, taking it back from
16 scratch. As we speak, right now the guys are at I
17 think 1 and 2 setting up.

18 We've got lock season starts
19 Memorial Day weekend, so, we'll be operational on
20 Friday, Saturday, Sunday and Monday for boaters. We
21 need some low water and get some numbers. So,
22 hopefully everything will work out.

23 We've got a problem at 3. The
24 river side wall upper gate has debris behind it and
25 there's only one way to get it out and that's with a

1 dredge boat. We've tried--I say we. I act like I've
2 got a mouse in my pocket, but Bobby and his guys have
3 gone up and put gavel hooks and everything else they
4 could go in there to try and pull that debris away.

5 We tried putting a diver in there
6 a couple of years ago. Ben, I think that's like \$3,500
7 a day and that doesn't work.

8 So, the dredge boat comes up I
9 believe the 16th of June. They'll be heading this way
10 from out of Cincinnati, coming up the Ohio River. And
11 when we say dredge, we do most of our dredging on the
12 lower approach and upper approach and into the chamber.

13 And from Locks 1 to 2 and from 2
14 to 3 and from 3 to 4 and 4 to 5, we do what we call
15 snagging, and snagging is where we try to find the
16 middle of the channel and go fifty foot each way, and
17 anytime we see a snag, we pull it out of the river.

18 So, if people say, well, there's
19 something on the bank, we don't have time because we
20 have a contract of \$150,000 for dredging. And if we
21 move forward at 5, we're going to pick up an extra
22 eighteen miles, So, that cost is even going to go up
23 more.

24 So, that will start; and when
25 that happens, Bobby and David get out on our buoy boat

1 and we try to do some preliminary sightings and we try
2 to jug things that we see that is very obvious. The
3 problem is we get high water and those jugs will go
4 under water and we'll miss them, but hopefully we'll
5 have low water when that barge does come up.

6 I want to compliment David again.
7 David is an engineer by trade. He has become an
8 engineer/accountant. He is packing a lot of water and
9 I appreciate it.

10 And I'll say this, David has not
11 complained the first time. He does his job. We have
12 our morning conversation about what we're doing and how
13 we're doing and where we're going and we have an exit
14 conference, see you tomorrow. So, I'm very pleased
15 with David and what is going on.

16 The September Board meeting, I'm
17 going to throw this out for food for thought.
18 Normally, what we try to do is have a Board meeting at
19 a particular lock. We've done it at 3, 4. Those are
20 good facilities if we do have rain.

21 So, we'll entertain that. If
22 anybody has a particular lock they would like to go see
23 and have a Board meeting at that particular facility,
24 we're open to that and we'll have something out as soon
25 as possible. I think September 10th is the next Board

1 meeting. I think that is scheduled.

2 So, if the Board is agreement,
3 we're going to have one onsite. Keep in mind that will
4 be a little longer Board meeting. What we will do is
5 have the Board meeting and tour the facility and what's
6 going on.

7 I highly recommend we go to 3.
8 It mirrors Lock 4. It's a nice facility and you will
9 get an idea of what's going on.

10 Like I said, anytime you want to
11 do a tour with us, give us a call and we'll make
12 arrangement. I think we've got one coming up in June,
13 if I'm correct. Ms. Melinda Hill is going to go.
14 We're going to go in the buoy boat. Any who would like
15 to attend also, feel free to go. How many can you
16 haul, Bobby?

17 MR. WEBB: You can get seven or
18 eight in there.

19 MR. ROGERS: What's the date on
20 that?

21 MR. GRAVES: June 18th. And I
22 think what the schedule is, the preliminary schedule -
23 I hope you don't mind me speaking----

24 MS. HILL: No, that's fine.

25 MR. GRAVES: We'll probably go to

1 1, 2, 3, and those who would like, we will jump on what
2 we call our buoy boat and travel up, make a run up to 4
3 and lock through. So, that will be an opportunity to
4 not only see what our guys do but have an opportunity
5 to see how the lock operates.

6 I think it's very important that
7 the Board see these things. I think it's easy to make
8 decisions behind a desk as opposed to walking and
9 putting your eyes on what actually takes place at our
10 facilities.

11 And if we have a large group that
12 wants to go, we'll have a two-day. We will do it on
13 the 18th and do it another day. So, those that are
14 interested, if you will get a hold of Sue and we'll
15 move forward.

16 Other than that, we're excited
17 about what's going on, excited about 10, excited that
18 it worked well. It went maybe too smoothly, John.

19 MR. BRADY: It looks real good
20 now.

21 MR. GRAVES: I think you and Ryan
22 were exceptionally pleased. I don't know enough about
23 bond sales to know good or bad but I know if you all
24 tell me it is good, I accept you.

25 Other than that, we're moving

1 forward. Thank you.

2 MR. SIMPSON: Jerry, I might
3 mention to you, I got a call two days ago. KSU has
4 granted a contract to their new captain for this year
5 and the next two years or three years total. So, it's
6 the same captain they had like three years ago,
7 probably one of the best captains they've ever had and
8 you could ever get. So, he will be operating their KSU
9 boat the next two summers.

10 MR. GRAVES: Okay. Well, I guess
11 they will be in contact with me to let me know when
12 they're coming up. Hopefully they'll give me a heads-
13 up.

14 CHAIR FLYNN: All right. Thanks,
15 Jerry.

16 Since we really don't necessarily
17 have a report, we do have one other item of business to
18 take care of with the appointment of Mr. Lang to the
19 Board. Ms. Banks served as the Secretary of the Board.
20 So, we'll have to take nominations and approve somebody
21 to be the Secretary of the Board.

22 We definitely will have some
23 paperwork that will have to be signed as we move
24 forward with construction of Dam 10. So, we want to
25 make sure that we've got an appointment for that

1 position.

2 So, with that, I will open the
3 floor for nominations for Secretary of the River
4 Authority Board. Does anybody want to make a
5 nomination or does anybody wants to self-nominate
6 themselves?

7 MR. WELLS: I nominate Fleet
8 here.

9 MR. KAY: I'm the Vice-Chair.

10 CHAIR FLYNN: He's the Vice-
11 Chair.

12 MR. WELLS: I nominate Mark
13 Smith.

14 CHAIR FLYNN: So, Mark, do you
15 accept the nomination?

16 MR. SMITH: Yes.

17 CHAIR FLYNN: Being there are no
18 other nominations, we will close the nominations. So,
19 I need a motion to appoint Mark as the Secretary of the
20 Kentucky River Authority.

21 MR. KAY: I make a motion.

22 CHAIR FLYNN: There is a motion.

23 SECRETARY THOMAS: Second.

24 CHAIR FLYNN: We've got a second.

25 There being no further discussion, all in favor, say

1 aye. Motion passes.

2 Thank you, Mark. We really
3 appreciate that.

4 We'll close in saying that we do
5 look forward to construction of Dam 10. It's been a
6 long time coming and the Board does know that the last
7 meeting, it was definitely a tough meeting.

8 None of us like to hear the word
9 "rate adjustment" and we don't like to hear it in our
10 community and I know that you all don't like to hear it
11 in your communities either, but I think it was
12 something that was needed, and I received my notice in
13 the mail as well that my rate is going up from thirteen
14 cents per thousand to twenty-two cents per thousand
15 gallons starting July 1st. So, those funds are
16 necessary to construct the improvements at Dam 10.

17 And at our last meeting as well,
18 we put into place that we've got Lock 4 improvements on
19 the horizon. Is that right?

20 MR. HAMILTON: Five.

21 CHAIR FLYNN: Lock 5, and then
22 Dam No. 11 was the next one in the phased approach to
23 making repairs to those.

24 So, I think that's what we're
25 vested to do is to protect the water supply of the

1 Kentucky River and a quarter of the population of this
2 state relies on the Kentucky River as their water
3 supply on a daily basis. So, it's in our interest to
4 protect that, and I think that we took some necessary
5 steps to do that and I appreciate all of us that made
6 that happen.

7 So, with that, I will take a
8 motion to adjourn this meeting.

9 MR. WELLS: So moved.

10 MR. SANDERS: One more thing.
11 River Sweep.

12 CHAIR FLYNN: I'm sorry, Sue.

13 MS. ELLISTON: I have T-shirts
14 for everyone. These are the T-shirts this year. Pat
15 Banks was the artist with the design. She did a really
16 good job.

17 I would also like to give a
18 thanks to Judith in connection with the Department of
19 Corrections. They were excellent and wonderful to work
20 with this year. If it wasn't for the great deal that
21 they gave us, this would not have been possible this
22 year with the budget we have.

23 So, get ready. I'm coming back
24 with a request for a bigger budget next year. Thank
25 you.

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

SECRETARY THOMAS: The Sweep is
on the 16th?

MS. ELLISTON: It's June 16th
this year. Now, some of the counties, they weren't
able to have their Sweep on June 16th, but if you will
get with me, I can let you know and, then, it also will
be publicized on our website.

CHAIR FLYNN: Thank you, Sue. A
motion on the floor to adjourn by Mr. Wells.

MR. GABBARD: Second.

CHAIR FLYNN: All in favor.

MEETING ADJOURNED

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 17th day of May, 2018.

Notary Public
State of Kentucky at Large

My commission expires February 10, 2021.

