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COUNTY COUNCIL OF TALBOT COUNTY, MARYLAND

Work Session With
Department of Public Works

January 15, 2019; 4:30 p.m.

Council Chambers, Easton, Maryland

COUNCIL MEMBERS:

- Corey W. Pack
- Chuck F. Callahan
- Frank Divilio
- Pete Leshner
- Laura E. Price

Reported by
Diane Houlihan

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<p>1 TRANSCRIPT OF PROCEEDINGS</p> <p>2</p> <p>3 MR. PACK: I think we're ready. Sorry</p> <p>4 about running late. Just trying to get some</p> <p>5 things together at the office.</p> <p>6 So we're going to do a work session here</p> <p>7 this evening, public work session dealing with</p> <p>8 the low interest loans or grant funding through</p> <p>9 the Maryland Department of the Environment and</p> <p>10 Rural Development. And this is for the project</p> <p>11 we're looking at down at Bozman and Neavitt.</p> <p>12 County engineer, Ray Clarke, is going to</p> <p>13 be bringing some information to Council on this</p> <p>14 project and giving us some different options</p> <p>15 for funding and possibly start date.</p> <p>16 MR. CLARKE: Sure thing. If I can,</p> <p>17 Council, we have Bill Anderson, the chairman of</p> <p>18 the Public Works Advisory Board right over</p> <p>19 here.</p> <p>20 MR. PACK: You going to be joining us?</p> <p>21 No, okay.</p>	<p>1 the sense that MDE issued I guess an approval</p> <p>2 letter that we were not aware of in March. In</p> <p>3 that approval letter, they indicated that we</p> <p>4 had to go to the Smart Growth Coordinating</p> <p>5 Committee to get approval for the project in</p> <p>6 order to be awarded any funding.</p> <p>7 So we scrambled in June and worked very</p> <p>8 quickly to get information to the Maryland</p> <p>9 Department of the Environment as well as the</p> <p>10 Maryland Department of Planning in an effort to</p> <p>11 position the county for potential loan money</p> <p>12 only.</p> <p>13 At that point with just the loan money,</p> <p>14 MDE issued I guess or advised the county that</p> <p>15 we would receive up to I think it was</p> <p>16 \$5.6 million of just loan.</p> <p>17 At that point, we began the process of I</p> <p>18 guess working with Davis, Bowen & Friedel. We</p> <p>19 hired them to do the preliminary engineering</p> <p>20 study.</p> <p>21 So everybody is clear, at the same time</p>
Page 3	Page 5
<p>1 MR. CLARKE: You can if you'd like.</p> <p>2 The one thing just if I may, probably</p> <p>3 going to take this is two parts. The first</p> <p>4 part is just giving you an update on what's</p> <p>5 happening with the Bozman and sewer project.</p> <p>6 And then ultimately from that, we're also then</p> <p>7 seeking, I guess we can't get approval from the</p> <p>8 Council at this point in time, but at least</p> <p>9 advising you of the proposed grants and</p> <p>10 projects that we'd like to apply for by the end</p> <p>11 of January with MDE and then ultimately work to</p> <p>12 apply to Rural Development as well.</p> <p>13 Speak up, I'm sorry.</p> <p>14 So basically for the Bozman, Neavitt, kind</p> <p>15 of give everybody some history. A lot of us</p> <p>16 probably have experienced it. The county</p> <p>17 applied for grant funding last year, last</p> <p>18 January to the Maryland Department of the</p> <p>19 Environment. And ultimately we were working to</p> <p>20 get the comp water and sewer plan amended.</p> <p>21 That was amended. There was a little snafu in</p>	<p>1 when we applied for the grant last year, the</p> <p>2 grant and loan last year, part of the MDE</p> <p>3 program, our total project cost was</p> <p>4 \$29 million. That included roughly about</p> <p>5 \$7.3 million of capital charges and the rest of</p> <p>6 that, let's say it's \$22 million, of</p> <p>7 construction.</p> <p>8 After we I guess got the information from</p> <p>9 the MDE that the Smart Growth Coordinating</p> <p>10 Committee approved our project and we then</p> <p>11 ultimately got the loan, we then scrambled and</p> <p>12 got Davis, Bowen & Friedel moving on the</p> <p>13 preliminary engineering report. Davis, Bowen &</p> <p>14 Friedel basically came back to us with the</p> <p>15 costs of the proposed sewer project, which is</p> <p>16 serve all the properties that were outlined in</p> <p>17 Resolution 250. Their cost estimate was</p> <p>18 basically \$13.5 million versus our \$22 million.</p> <p>19 So the total project basically was coming in</p> <p>20 roughly -- we bumped it up because we're now</p> <p>21 going to have to look at the project probably</p>

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<p>1 starting a year and a half from now. The total</p> <p>2 project cost now that looking at with the new</p> <p>3 grant application and package would be</p> <p>4 \$22.32 million.</p> <p>5 So one of the issues we also ran into</p> <p>6 during the process, we didn't have I guess a</p> <p>7 capital project in place. In addition to that,</p> <p>8 we also needed to start moving forward with</p> <p>9 establishing the sanitary district, which we</p> <p>10 hadn't had time to do as well. And ultimately,</p> <p>11 with just receiving loan monies, the county</p> <p>12 would probably have to take the financial</p> <p>13 burden of that to pay that and then bill back</p> <p>14 the property owners at the time when the sewer</p> <p>15 was being extended.</p> <p>16 So we came together and talked about that,</p> <p>17 reviewed that. And basically with the project</p> <p>18 cost being reduced, going from \$29 million down</p> <p>19 to \$22 million, one of the recommendations I'm</p> <p>20 making to the Council and to you all is to go</p> <p>21 ahead and de-obligate the loan that we have</p>	<p>1 which is basically I think it was \$1,317.</p> <p>2 Ultimately, the annual O and M charge for the</p> <p>3 system was just about \$490. The O and M charge</p> <p>4 for the wastewater treatment plant would be</p> <p>5 about 350, and then ultimately the BRF charge</p> <p>6 is \$60. That's a total about \$2,219. So if we</p> <p>7 have no grant money, we're probably talking a</p> <p>8 monthly expense of \$184. It could be as much</p> <p>9 as \$200 because there could be some cost</p> <p>10 escalation that happens.</p> <p>11 So one of the things I think becomes very</p> <p>12 important is the need to have grant funding.</p> <p>13 The \$20,000 grant, we can then drop that</p> <p>14 monthly payment down if we use the \$20,000</p> <p>15 grant that we typically receive with the Bay</p> <p>16 Restoration funds on sewer extensions. That</p> <p>17 would drop the monthly payment down to about</p> <p>18 \$124.92 or about \$125 per month at this point</p> <p>19 with the \$20,000 grant.</p> <p>20 If we looked at some other options, which</p> <p>21 these are just looking at other strategies, if</p>
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<p>1 with MDE for \$5.6 million, go back to MDE with</p> <p>2 now that we have the Smart Growth Coordinating</p> <p>3 Committee approvals. We have all the approvals</p> <p>4 that are necessary for the grant and loan</p> <p>5 application. Make a brand new grant and loan</p> <p>6 application with MDE and get it all done and</p> <p>7 start it that way.</p> <p>8 So that's my recommendation. Because</p> <p>9 really just focusing on just the loans, it's</p> <p>10 going to be difficult to get done and there's</p> <p>11 going to be a financial burden I think both to</p> <p>12 the county as well as the residents if we just</p> <p>13 are focusing on just loans.</p> <p>14 So with that, we also worked to put</p> <p>15 together I guess kind of a cost. We're in the</p> <p>16 process of hopefully getting some information</p> <p>17 out to the citizens of Resolution 250, which</p> <p>18 would include Bozman and Neavitt as well as the</p> <p>19 other lots that are along the route.</p> <p>20 What we kind of tried to do is highlight</p> <p>21 what the common infrastructure charge would be,</p>	<p>1 we were to get another \$5,000 either in grant</p> <p>2 money or from the property owner, that would</p> <p>3 lower the monthly payment down to \$110 based</p> <p>4 upon those costs. Or if we were looking at</p> <p>5 10,000, that would be grant and/or loan</p> <p>6 additional, then it would get down to about \$95</p> <p>7 per month.</p> <p>8 MS. PRICE: Right. But that's a pretty</p> <p>9 big chunk from the owner.</p> <p>10 MR. CLARKE: It is. And at this point in</p> <p>11 time, we might be able to get more grant from</p> <p>12 the State, but we just --</p> <p>13 MS. PRICE: I think I'd pay an extra \$15 a</p> <p>14 month to save \$5,000 up front.</p> <p>15 MR. CLARKE: Right. I mean those things</p> <p>16 are the discussions to be had with the citizens</p> <p>17 and determine how they would like to proceed.</p> <p>18 It might be that they might want to</p> <p>19 proceed with spending a little bit up front now</p> <p>20 to lower the monthly payment over time, or they</p> <p>21 may go no, we'll be fine with the monthly</p>

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<p>1 payment if we can establish that time frame as 2 when that monthly payment would be paid over, 3 it might be 30 years, but as a benefit kind of 4 charge. 5 With that, the first I guess really I 6 guess from our perspective without going 7 forward to the State, I can't tell you what the 8 grants are going to be and if we'll get more 9 grant than what we would receive per property 10 at \$20,000. The \$20,000 grant is also is tied 11 to the simple fact you've got to make less than 12 \$300,000 per year. So if you make more than 13 \$300,000 per year, you would only receive a 14 \$10,000 grant. So those are the things we've 15 got to sit down with MDE. 16 And as part of the grant application that 17 we've prepared, would actually go in requesting 18 as much grant as we can probably get to MDE for 19 the sewer project that would go basically from 20 St. Michaels all the way down to Neavitt. So 21 that's the game plan.</p>	<p>1 MR. PACK: You were kind of nasally. 2 MS. PRICE: I was nasally, I know. 3 Thanks. 4 MR. CLARKE: Now, with that said, the one 5 thing, and unfortunately with Rural Development 6 being one of the federal agencies that's closed 7 down, we have not been able to discuss with 8 them either the potential of grant and loan 9 funds through their agency at this point. 10 We have had discussions with them on a 11 preliminary basis, and they seem willing to 12 assist. They tend to be very focused on income 13 eligibility, and then ultimately they're also 14 very focused on what that cost of sewer is 15 going to be to each individual property. So 16 they're very concerned of making it affordable. 17 MS. PRICE: And this is a similar amount 18 that we got when we did BAT systems, too, 19 right? 20 MR. CLARKE: Yes, yes. The BRF is the 21 same as the BAT systems, yes.</p>
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<p>1 MR. PACK: For the salary limit of 2 \$300,000 for 20,000, then over \$300,000, is 3 there a max where if you're at 500,000, then 4 it's zero? 5 MR. CLARKE: No. 6 MR. PACK: So it's 300,000 to infinity? 7 MR. CLARKE: Yes, yes, yes. 8 Now, one of the things that we have not 9 done -- 10 MS. PRICE: Hang on. Based on the 11 properties in that area, probably the vast 12 majority of them are going to be under 300,000. 13 MR. CLARKE: And I agree with you on that. 14 I agree with you on that. 15 MR. PACK: Well, this is just not 16 property. This is property and income. 17 MR. CLARKE: This will be the BRF program 18 is income based on that \$20,000. 19 MS. PRICE: I said based on the properties 20 that are in this area, most of those people 21 probably make less than 300,000.</p>	<p>1 So our job right now, and I guess I know 2 some of the people from Neavitt might be 3 concerned this is probably going to delay us a 4 year. We're trying not to do that. What we're 5 trying to do is package this and continue to 6 get the project done pretty much within a two 7 to three-year period. So we're still trying to 8 meet that timeline. 9 The disadvantage is that by going back to 10 MDE at the end of this month with the grant and 11 loan package, the grant and loan money will not 12 be available until July 1, 2020. So we would 13 have to start construction by July 1, 2020. 14 MR. PACK: July 1, 2020. 15 MR. CLARKE: The one thing I would say, 16 too, is that the county really needs to work 17 with the Council I guess on trying to move 18 forward with the design. We need to have that 19 design done so that when we go to bid, we're 20 going to have construction hopefully start that 21 summer or towards fall of 2020.</p>

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<p>1 MR. PACK: And what's the project total</p> <p>2 build-out of the project, how many years?</p> <p>3 MR. CLARKE: Right now we're looking at</p> <p>4 probably anywhere from two to three years.</p> <p>5 The one focus that might be is we break up</p> <p>6 the project into separate packages and maybe</p> <p>7 bid out smaller packages, i.e., one of the</p> <p>8 things we went to the County Council on with</p> <p>9 Resolution 235 properties, we awarded the</p> <p>10 project to two contractors so that way it gives</p> <p>11 us the ability to give more work to two guys</p> <p>12 trying to connect houses.</p> <p>13 We may try to do the same thing with this</p> <p>14 project, maybe award to more than one</p> <p>15 contractor so we're not dependent upon just one</p> <p>16 contractor getting sewer out to these houses.</p> <p>17 Also, we met with Davis, Bowen & Friedel.</p> <p>18 Sorry I'm speaking fast. I know that. We met</p> <p>19 with Davis, Bowen & Friedel last week. And</p> <p>20 based upon that, we are looking at the step</p> <p>21 system that they've used up in Kent Island,</p>	<p>1 your point, that loan right now is only for</p> <p>2 what we call phase one.</p> <p>3 MR. CALLAHAN: Okay.</p> <p>4 MR. CLARKE: Which was to come out of</p> <p>5 St. Michaels into the Mount Pleasant area.</p> <p>6 MR. CALLAHAN: Okay. But we're going to</p> <p>7 redo that.</p> <p>8 But are we still going to be on that path?</p> <p>9 MR. CLARKE: Yes. We're not changing.</p> <p>10 MR. CALLAHAN: But the goal is when we go</p> <p>11 back to them, the goal would be to get more</p> <p>12 than 5.6 million?</p> <p>13 MR. CLARKE: The hope would be to get full</p> <p>14 funding.</p> <p>15 MR. CALLAHAN: The 22 million?</p> <p>16 MR. CLARKE: The 22 million.</p> <p>17 The other concern I have is that hopefully</p> <p>18 we can come back to them requesting the</p> <p>19 22 million. But at the same time, by taking</p> <p>20 that \$5.6 million loan puts me more in loan.</p> <p>21 Then hopefully I can maybe offset that with</p>
<p>Page 15</p> <p>1 which ultimately is a better situation for us</p> <p>2 in that the timing is probably a little better,</p> <p>3 that we don't have to acquire land for a pump</p> <p>4 station. We're now going to basically use what</p> <p>5 they call a multi-stage pump that will pump the</p> <p>6 pressure all the way up to St. Michaels. So</p> <p>7 it will pump basically from the houses down in</p> <p>8 Neavitt using the pressure all along the way to</p> <p>9 get to St. Mikes.</p> <p>10 So that helps us because now we're not</p> <p>11 caught trying to buy land for a pump station</p> <p>12 and things of that nature. So it will save us</p> <p>13 the cost there and time so that we're not</p> <p>14 caught with trying to buy land from somebody to</p> <p>15 build a pump station.</p> <p>16 MR. PACK: So everything will be</p> <p>17 underground, then?</p> <p>18 MR. CLARKE: Yes, yes, yes.</p> <p>19 MR. CALLAHAN: So the loan right now as it</p> <p>20 speaks, MDE has a \$5.6 million loan?</p> <p>21 MR. CLARKE: Correct. And that loan, to</p>	<p>Page 17</p> <p>1 more grant money if they have the grant money.</p> <p>2 MR. CALLAHAN: Obviously going back, we</p> <p>3 won't lose the five. You're hoping to get</p> <p>4 more --</p> <p>5 MR. CLARKE: We'll more than likely get</p> <p>6 more, yes. So what we'll be doing is rather</p> <p>7 than looking at it as a \$5.6 million project</p> <p>8 for just serving phase one, we'll be doing</p> <p>9 phases one, two, and three for \$22 million.</p> <p>10 MR. CALLAHAN: I see.</p> <p>11 MR. CLARKE: And hopefully get, it would</p> <p>12 be nice, a goal to get 50 percent, or</p> <p>13 \$11 million, in grant and then ultimately</p> <p>14 \$11 million in loan.</p> <p>15 MS. PRICE: So 610 locks us at simple</p> <p>16 multiplication, assuming everybody is under</p> <p>17 300,000, 600 times 20,000 would be the amount</p> <p>18 of the grant?</p> <p>19 MR. CLARKE: If they make this, yes,</p> <p>20 roughly. So that would be about \$12 million I</p> <p>21 think, 12.1, \$12.2 million.</p>

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<p>1 So that puts us pretty much in that 2 neighborhood of probably getting about 3 50 percent.</p> <p>4 So with that said, I guess what we would 5 be seeking from the County Council is approval 6 to submit to the Maryland Department of the 7 Environment a letter de-obligating the loan 8 that we received, the \$5.65 million. And that 9 money was received this past summer.</p> <p>10 The next step would then be also working 11 with the County Council at y'all's next meeting 12 to get approval to apply to MDE at the end of 13 this month for a new loan and grant package for 14 \$22.32 million for the whole project.</p> <p>15 MR. PACK: Is there any adverse effects of 16 turning the loan back in?</p> <p>17 MR. CLARKE: What ended up happening, MDE 18 scrounged up all loan monies that they had 19 remaining in their program. So I mean it's one 20 of those things they work to get it to us, but 21 I don't think it would be looked at --</p>	<p>1 nitrogen.</p> <p>2 MR. CLARKE: Technically we've already 3 submitted all that from Anne Morse. So Anne 4 Morse, when we went back to them in June, we 5 received those letters from Ann that supported 6 our application.</p> <p>7 MR. PACK: That will suffice.</p> <p>8 MR. CLARKE: That then ultimately got us 9 the PFA exemption from the Maryland Department 10 of Planning and then ultimately approval by the 11 Smart Growth Coordinating Committee.</p> <p>12 That was the one focus we had to deal 13 with, is that because we were extending sewer 14 outside PFAs, priority funding areas, we needed 15 MDE's approval along with the Maryland 16 Department of Planning's approval to do that 17 through a PFA exception.</p> <p>18 So that's where the Smart Growth 19 Coordinating Committee comes in, and you got to 20 get that approval. And you get that approval 21 through the environmental benefit, by extending</p>
<p>Page 19</p> <p>1 MS. PRICE: Is it sitting in our bank 2 account right now?</p> <p>3 MR. CLARKE: No, no. I wish. It could be 4 if we want to pay interest on it. But yeah.</p> <p>5 We won't be penalized. Let me put it that 6 way.</p> <p>7 The focus that MDE is going to do is 8 they're going to look at ranking the projects. 9 And the way they're going to rank it is 10 basically upon the number of failed systems, 11 the environmental benefits of the project, the 12 nitrogen load reductions. In addition to that, 13 they'll also want to make sure that all the 14 boxes have been checked off, which is the comp 15 water and sewer plan has been approved by MDE, 16 which it has now. At the same time, the Smart 17 Growth Coordinating Committee has reviewed this 18 and approved it, which they did in June. So 19 that's all been taken care of.</p> <p>20 MR. PACK: We need a third party to give 21 them the information on failing septic,</p>	<p>Page 21</p> <p>1 sewer out to those areas.</p> <p>2 I mean the only disadvantage I think with 3 the project is that we're not moving to try and 4 start construction by the end of this year. I 5 don't think there's a way for us to even do 6 that. We still have to go out to bid for 7 design. I just don't think there's a way for 8 us to get this all done.</p> <p>9 MR. CALLAHAN: Being you said that, even 10 if we are at the 5.6 and stayed like we were, 11 you'd still probably be in the same boat?</p> <p>12 MR. CLARKE: Yes, yes. And I think we can 13 finish the project pretty much in the same 14 timeline.</p> <p>15 MR. CALLAHAN: Right.</p> <p>16 MR. CLARKE: That we're talking now. 17 Instead of just doing phase one, we're doing 18 all the phases.</p> <p>19 MR. CALLAHAN: I see.</p> <p>20 MR. CLARKE: And that probably will be the 21 simplest.</p>

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<p>1 MR. PACK: So the true savings here is to 2 individual homeowners, these 610 property 3 owners, because if we go out for all loan 4 money, then they're paying that back as a new 5 sewer district. And you said 184, 185, round 6 it up probably a little bit more, probably 200 7 by the end of the day once you factor in 8 interest and everything else. So they're 9 looking at 200 bucks a month for the capital as 10 opposed to around 125, 130. So that's a big 11 difference if I'm a homeowner down there to me.</p>	<p>1 MS. PRICE: So right now they have no cost 2 because they're all on septic. 3 MR. CLARKE: Right. 4 MS. PRICE: Other than maintenance of 5 their septic. 6 MR. CLARKE: Right. 7 MS. PRICE: Do you know -- you must know 8 approximately how many people may have upgraded 9 to the BAT systems? 10 MR. CLARKE: We roughly have I think it's, 11 how many, 610 units are in the county. Maybe 12 we've got a couple hundred, maybe a hundred 13 that are in the area.</p>
<p>12 MR. CALLAHAN: It's a year away.</p>	
<p>13 MR. PACK: Is a year worth -- has Public 14 Works looked at this?</p>	<p>14 The one thing I would say is MDE has been 15 very good, they're liberal on this, that if 16 you're going and bringing sewer in, they've 17 been very --</p>
<p>15 MR. ANDERSON: Yes, sir. We are very 16 concerned about telling people that you're 17 looking at \$200 a month sewer bill. And we 18 will really advise any measures that we can 19 implement, including seeking the grant funding, 20 in order to lower the cost to residents. 21 I just don't think people -- a lot of</p>	<p>18 MS. PRICE: So even though they just paid 19 grant money to get -- 20 THE WITNESS: Right. 21 MS. PRICE: A third of them or so?</p>
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<p>1 folks are trying to scrape by on a few hundred 2 dollars a month, and that's a big hit. They 3 just can't afford it, particularly that area.</p>	<p>1 MR. CLARKE: I would say more of them have 2 been installed probably maybe six, seven years 3 ago. Maybe in some cases five years ago.</p>
<p>4 If we go into Claiborne and other areas 5 like that, we're going to have similar 6 concerns.</p>	<p>4 MS. PRICE: So they don't have a problem 5 giving the same \$20,000, so to speak, grant now 6 to go to a sewer system from BAT that they just 7 paid for five years ago?</p>
<p>7 MR. PACK: Right.</p>	
<p>8 MR. CLARKE: The other disadvantage -- I'm 9 sorry.</p>	<p>8 MR. CLARKE: Right. And MDE has been kind 9 of liberal in that sense.</p>
<p>10 MR. LESHER: And these are unmetered 11 units? In other words, it's a flat charge 12 for --</p>	<p>10 MR. PACK: To that point, Laura, those 11 systems were always meant to be temporary. 12 They were never meant to be a permanent way of 13 dealing with waste.</p>
<p>13 MR. CLARKE: Correct.</p>	
<p>14 MR. LESHER: For everybody. It's not by 15 usage or any other scale?</p>	<p>14 MS. PRICE: Absolutely. 15 MR. PACK: So if you come along and say, 16 the county now has the means to connect these 17 homes to a sewer line, albeit just five years 18 ago we just gave you \$20,000 for the BAT 19 system, I don't think MDE will have a problem 20 because those were never meant to be a 21 permanent way of dealing with the issue.</p>
<p>16 MR. CLARKE: No.</p>	
<p>17 MR. ANDERSON: We got no meters. So no 18 matter how many times you flush or how many 19 weeks you're there or not there, flat fee.</p>	
<p>20 MR. CLARKE: We get paid.</p>	
<p>21 MR. PACK: Capital charge.</p>	

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<p>1 MS. PRICE: And did you say to us before 2 that that BAT system doesn't really go away, 3 that they still use it as a filtration to --</p>	<p>1 the electric right to that pump. So there's 2 not a lot of extras that we have to do.</p>
<p>4 MR. CLARKE: That was where I was headed. 5 One of the things we're going to do is, to 6 your point, the BAT systems have typically been 7 put in, it's a tank.</p>	<p>3 MS. PRICE: And in case Pete and Frank 4 didn't know, this is why you ran for county 5 office, to talk about this kind of stuff, 6 solids and waste.</p>
<p>8 MS. PRICE: Right.</p>	<p>7 MR. LESHER: These 610 pump units, these 8 are those macerator pumps that are underground 9 infrastructure at the property?</p>
<p>9 MR. CLARKE: So the game plan might be for 10 us is with the technology we've been talking 11 with Davis, Bowen & Friedel as well as what has 12 been used up in Kent Island, they use what they 13 call a bio tube. That bio tube is dropped 14 either in the effluent chamber of that tank or 15 it's dropped into a separate tank at the end.</p>	<p>10 MR. CLARKE: Yeah, they're at the 11 property. And they're not really a macerator. 12 You do have the grinder pumps, are a 13 macerator-type pump.</p>
<p>16 So then what happens is the solids go 17 through. And we typically are going to use 18 what we call a septic tank effluent pump 19 system. So the solids are going to drop out 20 the main tank. And then what we're going to 21 do, and I'll give Bill a lot of credit for that</p>	<p>14 MR. LESHER: Yes. 15 MR. CLARKE: These are actually going to 16 be a multi-step pump. And I guess the simplest 17 way to think about this is a reverse well 18 system. So what we're going to do is kind of 19 like your well is pumping a real high distance 20 up and into the house. We're dropping a 21 similar type of pump, a multi-stage pump,</p>
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<p>1 one, we're keeping that sunken capital that's 2 there. We're going to try and utilize that 3 tank so we're not -- it's kind of ridiculous to 4 go and say hey, we just spent \$10,000 put this 5 new BAT unit in that's a tank that is settling 6 out solids, now we're going to abandon it. 7 Well, we're not going to do that. We're going 8 to basically use that sunken capital.</p>	<p>1 that's going to pump it further. So it's going 2 to pump a further distance, a little higher 3 pressure to push it. But it's not just a 4 single stage sump pump scenario. It's got 5 multiple impellers on it. So it's going to be 6 pumping at a little higher pressure to get it 7 out of there.</p>
<p>9 MR. PACK: That's good.</p>	<p>8 That's, again, what Kent Island looked at 9 is that they found that I think it's Arenko is 10 the company. Using Arenko, they didn't have to 11 go and buy land and acquire land for pump 12 stations. It was very important to avoid that. 13 And then the advantage you have by not having 14 to go with pump stations, which is part of 15 where you're seeing the reduced costs, is that 16 you're now looking at possibly a million to 17 million and a half dollars per station that you 18 have to put into the system.</p>
<p>10 MR. CLARKE: Bring that back in. Then 11 basically drop the pump --</p>	<p>19 So and then when you do put in a pump 20 station, a major station, you got to have 21 emergency power. It becomes a very --</p>
<p>12 MS. PRICE: So less stuff is getting 13 pumped to the treatment plant?</p>	
<p>14 MR. CLARKE: There will be less solids 15 coming in. But you're still going to have 16 let's call it the soluble pollutants coming 17 through.</p>	
<p>18 But yeah. But I think in that sense -- 19 and then a lot of times those BAT units already 20 have the electric that's been brought out to 21 that tank. So it gives us the ability to bring</p>	

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<p>1 MR. LESHER: Who owns this infrastructure? 2 MR. CLARKE: The County does, the sanitary 3 district. 4 MR. LESHER: And the life of those units? 5 MR. CLARKE: The Arenko units, most of the 6 pumps that we've had, depending on pumps, like 7 the Goulds, we've had Goulds that were 8 installed in 1993. They're still in service. 9 Some of them go out of service. We've got I 10 think the E1 grinder pumps that we've got. 11 Those are typically in Unionville, Tunis Mills, 12 Copperville area. Those pumps probably will 13 last maybe ten, 15 years. But usually we're 14 refurbishing those pumps. We can do that and 15 refurbish the pumps. 16 The Goulds are actually, I hate to say it, 17 the Goulds are a really good workhorse pump. 18 Sometimes not really worth it to try and 19 refurbish that pump. We just get rid of them. 20 They're usually about three to \$500, and it's 21 just easier to get a new one. And we can buy</p>	<p>1 MR. PACK: So the grant application period 2 is from January through? 3 MR. CLARKE: The grant, the application 4 goes from January to the award of funds, which 5 would come July 1st of next year, July 2020. I 6 know it gets crazy. 7 MS. PRICE: Either way -- 8 MR. PACK: So the application period runs 9 from January through July of 2020? There is no 10 end date for the application period? 11 MR. CLARKE: Actually the applications are 12 due at the end of this month. 13 MR. PACK: At the end of this month. 14 MR. CLARKE: At the end of this month. 15 MR. PACK: I just want to get that one 16 thing clear. 17 MR. CLARKE: And then ultimately they go 18 through the ranking process. That ranking 19 process they then report what they call the 20 intended use plan. That comes out I think in 21 May. And then ultimately it goes through a</p>
<p>Page 31</p> <p>1 them on bulk. That's usually what we've done. 2 These Arenko pumps, I don't have a whole 3 lot of information on the cost of those Arenko 4 pumps, but I would assume they have to be a 5 little over \$1,000. But I don't know what the 6 numbers are. 7 MR. PACK: The money for the grants will 8 not be available until the end of '19. 9 MR. CALLAHAN: 2020. 10 MR. CLARKE: Well, what would end up 11 happening is that we'll be submitting the 12 application come January. MDE will be ranking 13 projects I think it's in May. And then -- 14 MR. PACK: May of '19? 15 MR. CLARKE: May of this year. 16 MR. PACK: I thought you said the end of 17 '19. I just want to make sure -- 18 MR. CLARKE: Well, that's if we were to 19 keep the loan. If we were to keep the loan and 20 do just phase one, we would have to go to 21 construction by the end of this year.</p>	<p>Page 33</p> <p>1 public hearing process with the Board of Public 2 Works. Then it's approved. Then what happens 3 is you're awarded, your project is awarded 4 funding but you do not receive that funding 5 until July 1st of 2020. It's kind of a lengthy 6 process. 7 MR. CALLAHAN: But it's not possible to 8 keep what we're going and just add phase two 9 and three to it? 10 MR. CLARKE: I'm a little nervous about 11 that because what will end up happening is 12 those property owners that let's say are part 13 of phase one, once we start getting them 14 connected, we don't have any grant money, per 15 se. 16 MS. PRICE: So they're going to have to 17 pay more per month than on the next phase, and 18 that's not really fair. 19 MR. CLARKE: Yeah. 20 MR. CALLAHAN: So you're not allowed to 21 write the grant now just for phase two and</p>

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<p>1 three, it's got to be the whole thing?</p> <p>2 MR. CLARKE: I think the bad news is I</p> <p>3 think we would put a lot on the backs of those</p> <p>4 users that we're extending to now.</p> <p>5 MR. CALLAHAN: I got you.</p> <p>6 MR. CLARKE: Because there's no other</p> <p>7 mechanism for the county to recover the grant</p> <p>8 money.</p> <p>9 MS. PRICE: I thought you said you're not</p> <p>10 going to be ready for construction anyway?</p> <p>11 MR. CLARKE: Right, right.</p> <p>12 MS. PRICE: No harm, no foul.</p> <p>13 MR. CALLAHAN: Okay.</p> <p>14 MR. CLARKE: My recommendation would be</p> <p>15 to, again, apply for it as a whole grant</p> <p>16 package and do that as of this January and</p> <p>17 ultimately go ahead and get it all done and bid</p> <p>18 out and start construction 2020 for all of it.</p> <p>19 MR. ANDERSON: Can we get the application</p> <p>20 submitted in time before the end of the month?</p> <p>21 We're halfway there now.</p>	<p>1 we have two scenarios in front of us now. One</p> <p>2 would be the grant money that we've already</p> <p>3 been awarded.</p> <p>4 SPEAKER: Right.</p> <p>5 MR. CLARKE: It's loan, it's loan, it's</p> <p>6 just loan.</p> <p>7 MR. PACK: Let me correct myself. The</p> <p>8 loan money that we've already been awarded.</p> <p>9 And what Mr. Clarke is saying. Should we move</p> <p>10 forward with that, those homeowners in phase</p> <p>11 one are going to pay a much higher capital</p> <p>12 expenditure in phase one than those homeowners</p> <p>13 in phase two or three if grant dollars come in.</p> <p>14 SPEAKER: I think we always thought about</p> <p>15 this three-phased process. But when you put it</p> <p>16 in the terms that you just explained and talk</p> <p>17 about, the whole nut might be the better way to</p> <p>18 go.</p> <p>19 MR. PACK: The whole nut. I got you.</p> <p>20 SPEAKER: It's not really fair to those</p> <p>21 that are going to be hooking on first. I think</p>
<p>Page 35</p> <p>1 MR. CLARKE: Application is done.</p> <p>2 MR. ANDERSON: Okay, good.</p> <p>3 MS. PRICE: You just need our blessing.</p> <p>4 MR. CLARKE: Yes.</p> <p>5 MS. PRICE: He said the application is</p> <p>6 done, he just wants our blessing.</p> <p>7 MR. CLARKE: We'll get that hopefully from</p> <p>8 y'all next week.</p> <p>9 But we do have other projects we need to</p> <p>10 talk to you about, too.</p> <p>11 MR. PACK: Before we move on, unless</p> <p>12 anyone else has any other questions, I'm going</p> <p>13 to Dan, if I may. You heard the discussion</p> <p>14 here. I know you were one of the principals to</p> <p>15 bring this to Council's attention about two</p> <p>16 years ago. If we could, just for the new</p> <p>17 members and for the Council at large, with</p> <p>18 these new developments, do you have any comment</p> <p>19 for Council on what was just presented?</p> <p>20 SPEAKER: Move on forward.</p> <p>21 MR. PACK: When you say move on forward,</p>	<p>Page 37</p> <p>1 Laura pointed that out, that I don't think it</p> <p>2 would be fair to me if I was living in, not all</p> <p>3 the way at the very end, which would be phase</p> <p>4 three of it, as opposed to the other.</p> <p>5 Things might change during this whole</p> <p>6 process. And there's no guarantee all the way</p> <p>7 through on all three phases, either.</p> <p>8 That was my biggest concern to begin with.</p> <p>9 I thought it would be easier to get a little, a</p> <p>10 little, a little. But in reality, it isn't.</p> <p>11 Whether or not we'll stand high on the list,</p> <p>12 that's another question I guess.</p> <p>13 MR. PACK: Okay.</p> <p>14 MR. CLARKE: And we'll get you all</p> <p>15 involved in that.</p> <p>16 MR. PACK: I think we need to get our</p> <p>17 shore delegation involved with this as well. I</p> <p>18 think what I'm hearing from Council is that we</p> <p>19 are agreeing to recommend that we de-obligate</p> <p>20 ourself from the 2020 loan from MDE and then we</p> <p>21 file for the loan grant application before the</p>

<p style="text-align: right;">Page 38</p> <p>1 end of this month.</p> <p>2 Am I saying something that members do not</p> <p>3 wish to go through?</p> <p>4 MR. DIVILIO: No. I agree.</p> <p>5 MR. PACK: Are we unanimous? Okay. We</p> <p>6 are unanimous in that, then. So direction is</p> <p>7 to go ahead and submit the letter of</p> <p>8 de-obligation and then refile for the loan</p> <p>9 grant before the end of the application period</p> <p>10 this month. Is that good? Okay, all right.</p> <p>11 MR. CLARKE: The other items we have for</p> <p>12 the Council, we also provided you with a list</p> <p>13 of capital projects that we'd like to go and</p> <p>14 seek funding through both MDE as well as Rural</p> <p>15 Development.</p> <p>16 Just so the Council is aware of my</p> <p>17 thinking here, we actually have four of the</p> <p>18 projects that are listed here that are</p> <p>19 associated with I guess the hospital, the</p> <p>20 regional medical center.</p> <p>21 The game plan what I was thinking about is</p>	<p style="text-align: right;">Page 40</p> <p>1 infrastructure in the ground --</p> <p>2 MR. CLARKE: That's correct.</p> <p>3 MS. PRICE: So hopefully they'll look at</p> <p>4 that and say we approved this before.</p> <p>5 MR. CLARKE: Yes.</p> <p>6 MS. PRICE: There was no way we could put</p> <p>7 the pipe in the ground, and this is just a</p> <p>8 redo.</p> <p>9 MR. CLARKE: Yes.</p> <p>10 MR. PACK: Let me just say for full</p> <p>11 disclosure. I did have a meeting this morning</p> <p>12 with Ken Kozel and Mayor Willey.</p> <p>13 If you remember, Ray, one of the proposals</p> <p>14 that they had was the rerouting of 662 due to</p> <p>15 the fact that where it ran across the property,</p> <p>16 it actually ran across the crown, the highest</p> <p>17 point in that property. And they wanted to</p> <p>18 reroute it so that they could place the</p> <p>19 building, the main building on that highest</p> <p>20 peak.</p> <p>21 The parent company, UMMS, is saying you</p>
<p style="text-align: right;">Page 39</p> <p>1 that what the county would do is we'll go ahead</p> <p>2 and submit. We received as part of the capital</p> <p>3 project about four years ago, we received</p> <p>4 \$1 million out of the MDE capital projects</p> <p>5 fund. That was with \$450,000 being allocated</p> <p>6 to the water line and \$550,000 being allocated</p> <p>7 to the pump station that would serve the</p> <p>8 regional hospital.</p> <p>9 My recommendation would be to go ahead and</p> <p>10 apply for those funds at the end of January.</p> <p>11 In the event we don't get those funds, then we</p> <p>12 go back to the State and request Ben Grumbles</p> <p>13 to have a new capital project integrated into</p> <p>14 his budget for the \$1 million. And then that</p> <p>15 way if they go well, did you apply, we would</p> <p>16 say yes, we applied and you all refused the</p> <p>17 funds --</p> <p>18 MS. PRICE: Is this the same \$1 million</p> <p>19 from a couple of years ago --</p> <p>20 MR. CLARKE: Yes.</p> <p>21 MS. PRICE: -- when we couldn't put the</p>	<p style="text-align: right;">Page 41</p> <p>1 need to shave some money off this project.</p> <p>2 In my discussion with him this morning,</p> <p>3 and this wasn't anything that was confidential,</p> <p>4 was that they're possibly looking to not do the</p> <p>5 rerouting of 662. So that would save them</p> <p>6 money.</p> <p>7 And I know one of the options that you had</p> <p>8 as far as this line was to trench it along the</p> <p>9 new path of 662. Since that's off the table, I</p> <p>10 think we can go ahead and throw that option out</p> <p>11 the window.</p> <p>12 MR. CLARKE: That's fine.</p> <p>13 MS. PRICE: So why did they think they</p> <p>14 needed to move 662 and what's the alternative?</p> <p>15 MR. PACK: Well, 662 where it runs across</p> <p>16 the property, it runs across the highest point</p> <p>17 of the property. And they wanted the highest</p> <p>18 point to put the building on top of to give it</p> <p>19 a more pinnacle look, if you would.</p> <p>20 So not that the ground is all that high to</p> <p>21 begin with. But they can mound some dirt and</p>

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<p>1 achieve the same effect.</p> <p>2 MS. PRICE: If they're putting the</p> <p>3 building on that peak, is 662 staying exactly</p> <p>4 where it is?</p> <p>5 MR. PACK: Well.</p> <p>6 MR. CALLAHAN: If it gets rerouted.</p> <p>7 MR. PACK: It gets rerouted. The original</p> <p>8 idea, if you remember, was to reroute 662,</p> <p>9 which runs over this peak. And then they would</p> <p>10 place the building on the peak.</p> <p>11 MR. CALLAHAN: Right.</p> <p>12 MR. PACK: The mound, if you would.</p> <p>13 So they're not going to do that now. So I</p> <p>14 guess they're going to look at placing the</p> <p>15 building -- they can build another mound</p> <p>16 somewhere else on the property.</p> <p>17 MS. PRICE: So now they're not going to</p> <p>18 have to move the road at all?</p> <p>19 MR. PACK: Exactly.</p> <p>20 MS. PRICE: So my question is why would</p> <p>21 they ever have wanted to do that because it</p>	<p>1 as well as Patty Davis on that. And that was</p> <p>2 basically because they did record a plat that</p> <p>3 shows the relocation of 662 with utility</p> <p>4 easements. I indicated to them we would follow</p> <p>5 those utilities, and I think that's probably</p> <p>6 what's generating all this.</p> <p>7 MR. PACK: He brought it up in the</p> <p>8 discussion.</p> <p>9 MR. CLARKE: What we'll do, and I have no</p> <p>10 problems with that, and that really impacts</p> <p>11 really the Talbot County Community Center pump</p> <p>12 station --</p> <p>13 MR. PACK: That's my next thing, yeah.</p> <p>14 We're going to have to, Council, make a</p> <p>15 decision on this number four sooner than later.</p> <p>16 The cost of pumping and hauling that material,</p> <p>17 it's not ideal.</p> <p>18 This goes all the way back to Ricky Ball</p> <p>19 was out there to Rick Toll, when Rick Towle took</p> <p>20 over out there, to now Preston Peper. And</p> <p>21 we've been delaying and delaying and delaying.</p>
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<p>1 does just cost more money and drive up -- you</p> <p>2 just wonder what they were thinking.</p> <p>3 MR. PACK: They were trying to --</p> <p>4 MS. PRICE: You want to move an entire</p> <p>5 road when you don't really need to.</p> <p>6 MR. PACK: That was one of their plans.</p> <p>7 And now it seems like OMES is saying hey, shave</p> <p>8 some money off this thing it.</p> <p>9 MR. LESHER: It had advantages for the</p> <p>10 parking plan. Shorter walks, more central,</p> <p>11 more compact plan.</p> <p>12 MR. CALLAHAN: Right. And State road</p> <p>13 coming off Route 50 to the hospital.</p> <p>14 MR. LESHER: Yeah.</p> <p>15 MR. PACK: So I just want to offer that in</p> <p>16 your process and your plans that that one will</p> <p>17 probably not be one that we have to consider.</p> <p>18 Okay. So just wanted to share that.</p> <p>19 MR. CLARKE: With that, I mean we did,</p> <p>20 just so the Council is aware, I did forward an</p> <p>21 e-mail to Daryl Mealy, and I copied Ken Kozel</p>	<p>1 We need to go ahead and run a line out there</p> <p>2 and connect this.</p> <p>3 Mayor was at the meeting this morning, as</p> <p>4 I said, and we talked about the community</p> <p>5 center connection. So I know there was a</p> <p>6 number of ideas, whether we run straight up 50</p> <p>7 and connect the community center, do we jump</p> <p>8 over to the east side of 50 and pick up some of</p> <p>9 those commercial properties and then swing back</p> <p>10 under.</p> <p>11 Any way that you all decide to do it</p> <p>12 that's within reason of cost wise, we need to</p> <p>13 move on it.</p> <p>14 MR. CALLAHAN: Ray, because Frank and</p> <p>15 Pete, help them understand where we're at with</p> <p>16 the community center when it comes to</p> <p>17 hauling --</p> <p>18 MS. PRICE: And I think for the public to</p> <p>19 know, too.</p> <p>20 MR. CLARKE: Sure.</p> <p>21 MS. PRICE: Is the reason we put it off,</p>

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<p>1 we didn't just put it off to put it off. It's 2 because we kept -- the hospital. And it's been 3 on this rolling delay and we keep thinking it's 4 going to get built so why don't we do it all 5 together.</p> <p>6 MR. CLARKE: Right.</p> <p>7 MS. PRICE: For cost savings. But it's 8 taking a thousand forevers now.</p> <p>9 MR. CLARKE: Right. I think to y'all's 10 point, I remember this too well. Back in March 11 of 2010, the septic system failed out at the 12 community center. And unfortunately we had MDE 13 out there when it was failing. So there was 14 water coming out of the mound system. It was 15 an easy letter for them to write.</p> <p>16 So with that, we then went into a pump and 17 haul mode. The county then worked to help save 18 the cost on pumping a hauling and bought a 19 pumper truck. And we bought that out of the 20 sanitary district. The Roads Department then 21 provided the driver to pump and haul.</p>	<p>1 other things.</p> <p>2 So about a year and a half ago, we sat 3 down with Paul Moffett with Easton Utilities and 4 we hammered it out. We actually looked at the 5 flow rates. We based it off existing 6 information that we had. And we got the 7 capital charge down to let's say \$32,000. So 8 that's a significant savings there.</p> <p>9 We also had a meeting about a month and a 10 half ago with Easton Utilities. And we were 11 looking at a point of entry into their system.</p> <p>12 So the game plan would be the community 13 center was actually set up, when they built the 14 ice skating rink, they actually put in a duplex 15 five horsepower sewage pump station that would 16 then pump over to the other septic tank that 17 would then pump to the dosing field.</p> <p>18 It looks like that five horsepower pump 19 station can actually pump that into the Easton 20 system. So we're looking at taking what we 21 have today. Let's say the septic tank where</p>
<p>Page 47</p> <p>1 The average waste that was coming out of 2 the system was about, the tanker truck was 3 about 3,200 gallons. So we were pumping about 4 once a week during the summer months and then 5 twice a week during the winter months.</p> <p>6 We kind of went a little off the rails 7 when we started talking to Easton Utilities 8 about the capital charges and doing the tariff. 9 We had a little bit of an issue where I think 10 Easton Utilities was looking at the showers 11 within the ice rink and they were using a flow 12 rate that was associated with, what was it, a 13 country club versus let's say an ice skating 14 rink. So the flow rates were just going up, 15 driving the flow rates up. Those flow rates 16 then were driving the capital charges up.</p> <p>17 So when we talked with Easton Utilities, 18 they were looking at the capital charges being 19 about \$250,000. We came back and said that's 20 not actually the case. We don't have a 21 restaurant. It's just a snack bar. All these</p>	<p>Page 49</p> <p>1 the dose pump would be that goes to the mound, 2 we would put a pump in there, pump it back to 3 that duplex tank system, and then use that 4 duplex system to pump into the Easton system.</p> <p>5 So I talked with Tim Glass with Lane 6 Engineering under our open ended engineering 7 services agreement. I requested a proposal 8 from him to initiate the design on that. And 9 so once we have a proposal from him, I'll be 10 coming back to the County Council for y'all's 11 review and approval for that.</p> <p>12 At the same time, we have here that the 13 request was up to \$500,000. We're now looking 14 at the request being up to \$250,000. Because 15 now the entry point within the Easton 16 wastewater system is now going to be closer to 17 where they've tied in the Hyde Park system. So 18 we'll tie right into that Hyde Park pipe.</p> <p>19 And with your information, Mr. Pack, what 20 we'll now do is I'll send information to Daryl 21 Mealy and we'll run the pipe up to 662. We'll</p>

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<p>1 directional drill. Then we'll run down the</p> <p>2 existing road on let's call it the east side of</p> <p>3 662 and then we'll run it right to the point</p> <p>4 where we can tie right into the Hyde Park</p> <p>5 connection. So we're still --</p> <p>6 MR. DIVILIO: Is that the one that's right</p> <p>7 in the corner by Hog Neck and Hyde Park?</p> <p>8 MR. CLARKE: Yeah. That really nice</p> <p>9 little mobile home. Or they don't like being</p> <p>10 called mobile home. But manufactured home site</p> <p>11 that's over --</p> <p>12 MR. DIVILIO: Was that the pump house, the</p> <p>13 building that's just before Hog Neck as you're</p> <p>14 heading west?</p> <p>15 MR. CLARKE: I think actually they had</p> <p>16 something behind Hyde Park. I don't know if</p> <p>17 you can -- I think it's like the plumbing</p> <p>18 store.</p> <p>19 It's actually underground. It's right</p> <p>20 there at that plumbing store. It used to be</p> <p>21 Penco. Maybe they're still there. I can't</p>	<p>1 capital charges.</p> <p>2 Depending upon how MDE plays this, we are</p> <p>3 looking at seven equivalent dwelling units.</p> <p>4 They may only give us \$70,000 worth of grant</p> <p>5 funding. We're now talking potentially cost</p> <p>6 of, what, that would be about 180,000.</p> <p>7 With that said, the application I put</p> <p>8 together for this, that's also all done because</p> <p>9 I know this is a priority for the Council.</p> <p>10 What we're looking at is we've got a very</p> <p>11 accelerated time schedule. So what I'm hoping</p> <p>12 to do is we'll submit this at the end of</p> <p>13 January with the request that the State provide</p> <p>14 us the opportunity to use whatever BRF funds we</p> <p>15 have available out of the USGS program.</p> <p>16 MR. PACK: Ray, just one question. The</p> <p>17 32,000 capital, that's the county's part, we're</p> <p>18 paying that. Is that a month, 32,000?</p> <p>19 MR. CLARKE: It's just a flat-out cap</p> <p>20 charge of 32,000, yeah.</p> <p>21 MS. PRICE: So how much are we going to</p>
<p>1 recall.</p> <p>2 MR. PACK: And the mayor did bring us</p> <p>3 because Hyde Park has another project there,</p> <p>4 they're probably doing (inaudible) project back</p> <p>5 on the -- I think that's the old spray field I</p> <p>6 think.</p> <p>7 MR. CLARKE: Right, right.</p> <p>8 MR. PACK: I think they're going to be</p> <p>9 breaking some more properties for themselves.</p> <p>10 So this number is changing from a half a</p> <p>11 million to 250?</p> <p>12 MR. CLARKE: Yes.</p> <p>13 MR. PACK: Which is good.</p> <p>14 MR. CALLAHAN: So that will be out of our</p> <p>15 pocket?</p> <p>16 MR. CLARKE: No. I'm trying to get us</p> <p>17 grant money for that.</p> <p>18 MR. CALLAHAN: Got you. That's grant</p> <p>19 money.</p> <p>20 MR. CLARKE: Well, not all. Probably</p> <p>21 still going to have to pay \$32,000 for the</p>	<p>1 save a year by not pumping and hauling?</p> <p>2 MR. CLARKE: I don't know that answer for</p> <p>3 you.</p> <p>4 MS. PRICE: In other words, it's not going</p> <p>5 to take that long to pay for itself.</p> <p>6 MR. CLARKE: At least if we get the</p> <p>7 \$70,000 grant, your payback period is going to</p> <p>8 be a lot faster.</p> <p>9 The other side, too, is that the existing</p> <p>10 pump system and force main, however the sewer</p> <p>11 is brought out to the original hospital, we can</p> <p>12 tie that in. So we're not going to lose that.</p> <p>13 So a lot of the infrastructure that we're</p> <p>14 installing, we'll probably lose maybe 800 feet</p> <p>15 of pipe. But that's about it. That's all</p> <p>16 we'll lose.</p> <p>17 MR. DIVILIO: Do you have any idea of what</p> <p>18 we pay for the truck, the pump truck, just</p> <p>19 roughly?</p> <p>20 MR. CLARKE: The problem I'm going to run</p> <p>21 into is I can give you probably the rates and</p>

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<p>1 an estimate cost of the rates. But then we've 2 got the driver, and then that's -- 3 MR. DIVILIO: A lot of expenses. 4 MR. CALLAHAN: A lot. 5 MR. CLARKE: The other problem we run 6 into, too, is it's not just the Roads 7 Department. Sometimes the community center has 8 to bring in a private hauler to pump it out 9 when they have a situation. So there's that 10 cost as well. 11 So I would say at a bare minimum, you're 12 probably looking at 50,000. It could be 75. 13 MR. PACK: I think he had Mr. (inaudible) 14 out there a couple of times last year. 15 MR. CLARKE: I know. That's what I'm 16 saying. 17 MS. PRICE: Just trying to get it out 18 there for the public to know that yes, we have 19 no money, right, but we are going to save a 20 lot. So in two to three, max four years. 21 MR. CLARKE: I would say, yeah.</p>	<p>1 Maryland Water Quality Infrastructure Financing 2 Program. 3 Do we have any questions? We talked about 4 number four pretty good. Any questions on one, 5 two, or three? No? Okay. 6 Are we in agreement with giving Mr. Clarke 7 instruction to go ahead and apply for that 8 funding then? 9 MS. PRICE: Yes. 10 MR. CLARKE: I believe, Council, thanks 11 for that. But I think I'll still be coming 12 before you on Tuesday for a formal request and 13 vote from the Council. 14 MR. PACK: We'll cast that vote, too -- 15 MR. CLARKE: The grants, Bill and Terry 16 and I are drafting them right now. So they're 17 pretty much done. 18 MR. PACK: So we're moving onto the back 19 page. 20 MR. CLARKE: Well, before we run to the 21 back page, we have one more, which is the</p>
<p>Page 55</p> <p>1 MS. PRICE: We should have this paid for. 2 So when we're talking about spending 3 capital dollars, we're going to be eliminating 4 a very large annual monthly expense. 5 MR. CLARKE: Correct. 6 MS. PRICE: From the pump and haul. 7 And then maybe we can sell the truck, too. 8 Right, Frank? 9 MR. DIVILIO: Right. 10 MR. CLARKE: We would suggest not doing 11 that. 12 MR. PACK: We're going to need that truck. 13 MR. CLARKE: Yeah. We're probably going 14 to need it out at the bio-solids facility. 15 MS. PRICE: Re-purpose it to another 16 department. 17 MR. CLARKE: Exactly. That's fine. 18 MR. PACK: So you have under this first 19 block, Council, we have one, two, three, four 20 recommendations from the county engineer, and 21 that is to apply for funding through the</p>	<p>Page 57</p> <p>1 bottom one is basically the pump station 2 improvements. 3 With the work that we're doing right now 4 connecting the lots from Resolution 235 as well 5 as doing work to I guess for our major pump 6 stations down in St. Michaels, one of the 7 things we're looking at, Bill and Terry and I 8 talked about it this morning, we have had 9 issues in the past. The force main that's 10 coming from the Unionville pump station, runs 11 downs Unionville Road, then goes up Maryland 12 Route 33 and then heads to the Royal Oak pump 13 station and then goes into our Madison pump 14 station. 15 What we'd like to do, we have had 16 situations where the pipe has broke or has come 17 undone or broken. And then we've had a raw 18 sewage spill. So a lot of times it's kind of 19 in a remote area. We don't see it. It might 20 have been leaking for a period of time. We go 21 out there and then we have to report it and</p>

<p style="text-align: right;">Page 58</p> <p>1 then we're estimating the flows.</p> <p>2 What we're now looking at is using Mission</p> <p>3 Control makes a remote sensing system that</p> <p>4 we're looking at. Potentially like a Mission</p> <p>5 Control scenario where we would have a tower</p> <p>6 strategy. It might be a small tower, not a big</p> <p>7 one. That would then basically have a radio</p> <p>8 signal that would send it out. We'd have a</p> <p>9 solar panel that would power the battery pack</p> <p>10 for that system. And then in the valve vaults,</p> <p>11 we would drop strips, these talc strips that</p> <p>12 ultimately would tell us if there's water in</p> <p>13 those valve balls.</p> <p>14 If we get a situation that there's water</p> <p>15 and we're starting to see something, the guys</p> <p>16 can then respond and get out to there. And if</p> <p>17 it's just rain water, great. If it's a break,</p> <p>18 we know it and that way we can respond faster</p> <p>19 than kind of waiting until it's on the ground.</p> <p>20 So that was part of the grant.</p> <p>21 And then at the same time, we are seeing</p>	<p style="text-align: right;">Page 60</p> <p>1 MR. CLARKE: That's going up to 6 million.</p> <p>2 MR. PACK: Where is the 4 million that</p> <p>3 you're speaking of?</p> <p>4 MR. CLARKE: That was just the pump</p> <p>5 stations that's making up that 5.3 million.</p> <p>6 MR. PACK: Okay. Four of this is pump</p> <p>7 stations?</p> <p>8 MR. CLARKE: Yeah. I hate to say this,</p> <p>9 the pump station improvements, the individual</p> <p>10 pumps, the major pump stations, that's now a</p> <p>11 \$6 million project.</p> <p>12 MR. PACK: \$6 million project.</p> <p>13 MS. PRICE: So how does that -- some of</p> <p>14 it's grant. Some of it's low interest loan.</p> <p>15 Gets passed onto the homeowners.</p> <p>16 Are there monthly costs going up to pay</p> <p>17 for this? That's a lot of money.</p> <p>18 MR. LESHER: This is system wide?</p> <p>19 MR. CLARKE: This is system wide. It will</p> <p>20 probably be roughly about 600 to 700 systems.</p> <p>21 This is going to be basically for Royal Oak,</p>
<p style="text-align: right;">Page 59</p> <p>1 some increased flows within our pump stations,</p> <p>2 partly due to I think it's the wet weather</p> <p>3 events that we're having. So we're probably</p> <p>4 going to need to upgrade the five stations that</p> <p>5 we do have, which are Unionville, the Bellevue</p> <p>6 station, there's two stations. There's one</p> <p>7 kind of in the center of Royal Oak, and then we</p> <p>8 have the Royal Oak station, which is at the</p> <p>9 corner of Maryland 329 and 33. And then we go</p> <p>10 into the Madison station. So we really need to</p> <p>11 probably do some improvement and standardizing</p> <p>12 pumps for those. That's probably going to be I</p> <p>13 estimate about \$400,000 a station. So roughly</p> <p>14 \$2 million worth of work there.</p> <p>15 MS. PRICE: So when we do all these</p> <p>16 things --</p> <p>17 MR. PACK: I'm missing that one. I've got</p> <p>18 \$5 million here.</p> <p>19 MR. CLARKE: 5 million, that one is going</p> <p>20 up.</p> <p>21 MR. PACK: That one is going up.</p>	<p style="text-align: right;">Page 61</p> <p>1 Newcomb, Bellevue. It could be all of them.</p> <p>2 So we could be doing some improvements. It may</p> <p>3 not be extensive in the Town of St. Michaels.</p> <p>4 The stations we have there are pretty</p> <p>5 significant.</p> <p>6 MS. PRICE: So how much are they paying</p> <p>7 approximately a month now?</p> <p>8 MR. CLARKE: I believe right now</p> <p>9 St. Michaels, if I'm not mistaken, is paying</p> <p>10 roughly \$687. They may be paying \$700.</p> <p>11 MS. PRICE: A year?</p> <p>12 MR. CLARKE: A year.</p> <p>13 Royal Oak, Newcomb, and Bellevue, if I'm</p> <p>14 not mistaken, is only paying 660 a year. So</p> <p>15 they could go up to 700 roughly. I haven't</p> <p>16 looked at those numbers at this point.</p> <p>17 And that would impact both Royal Oak,</p> <p>18 Unionville, Tunis Mills, Copperville, as well</p> <p>19 as Royal Oak, Newcomb, and Bellevue --</p> <p>20 MS. PRICE: So the project is only, I say</p> <p>21 only, going to make their price go up 40 or \$50</p>

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<p>1 a year?</p> <p>2 MR. CLARKE: It will be a grant and then</p> <p>3 ultimately the loan is basically going to be a</p> <p>4 30-year loan.</p> <p>5 MR. LESHER: So it's amortized over of the</p> <p>6 life of the infrastructure?</p> <p>7 MR. CLARKE: Yes, yes, yes. Now, that</p> <p>8 could change a little bit and we may not get as</p> <p>9 much grant so we'd have to come back and look</p> <p>10 at that. We may have to pare things down.</p> <p>11 Hopefully my \$400,000 is a little high. So I</p> <p>12 don't know --</p> <p>13 MS. PRICE: For a pump station?</p> <p>14 MR. CLARKE: Yeah.</p> <p>15 MR. LESHER: Do you think most of this</p> <p>16 water infiltration is happening at the stations</p> <p>17 and not pipe seams?</p> <p>18 MR. CLARKE: Unfortunately I think we're</p> <p>19 seeing it in -- having gone out to Royal Oak</p> <p>20 and gone to some of the septic systems that we</p> <p>21 had out there, what's happened is that when</p>	<p>1 and start looking at.</p> <p>2 And then part of this project is also to</p> <p>3 do a mapping system to locate all the tanks,</p> <p>4 all valves so that that's now integrated into a</p> <p>5 GIS system right at the plant so the guys know</p> <p>6 where stuff is.</p> <p>7 MR. LESHER: This particular project is</p> <p>8 not going to address that issue?</p> <p>9 MR. CLARKE: No. It will be probably</p> <p>10 going out and looking at and finding the tank</p> <p>11 lids. And where we have an issue with the tank</p> <p>12 lids, we'll probably have some money for that</p> <p>13 to do that. But we probably will do that out</p> <p>14 of operation money, not this project money.</p> <p>15 MR. LESHER: Okay.</p> <p>16 MR. ANDERSON: If I may, this issue</p> <p>17 touches on an issue that's been a concern to</p> <p>18 the Public Works Advisory Board. It</p> <p>19 contributes to this infiltration, and that's</p> <p>20 the issue of elicit connections.</p> <p>21 Sump pumps are connected to the sewer</p>
<p>Page 63</p> <p>1 they put that system in, they have concrete</p> <p>2 risers that come to the surface of the ground.</p> <p>3 I think we're starting to see infiltration</p> <p>4 coming in through those risers.</p> <p>5 MR. LESHER: This is on each individual</p> <p>6 property?</p> <p>7 MR. CLARKE: Yes, yes.</p> <p>8 MR. LESHER: Is there a way of tightening</p> <p>9 those up?</p> <p>10 MR. CLARKE: Coming up a little bit. So</p> <p>11 we may have to put a ring on them and raise</p> <p>12 them up maybe six inches.</p> <p>13 MR. LESHER: Because in the end what</p> <p>14 you're doing is you end up treating a lot of</p> <p>15 storm water.</p> <p>16 MR. CLARKE: Correct.</p> <p>17 MR. LESHER: And not just sanitary sewer</p> <p>18 in the system. So it's increasing the burden</p> <p>19 on the plant itself; isn't it?</p> <p>20 MR. CLARKE: Yes, yes. And those are part</p> <p>21 of the things that we'll have to get out there</p>	<p>Page 65</p> <p>1 system when they shouldn't be.</p> <p>2 MR. LESHER: Right.</p> <p>3 MR. ANDERSON: We don't have any current</p> <p>4 legislation that we're aware of that would</p> <p>5 enable Public Works to deal effectively with</p> <p>6 those kinds of connections. And that's a part</p> <p>7 of what when we have wet weather, people's</p> <p>8 basements or whatever, the crawl space, the</p> <p>9 sump pump kicks on and that sends us more</p> <p>10 water, which is like rain water. Just adds to</p> <p>11 the burden on the system.</p> <p>12 MR. PACK: How are they able to tie that</p> <p>13 sump pump into that sewer line?</p> <p>14 MR. CALLAHAN: You tie it right into the</p> <p>15 drain.</p> <p>16 MR. CLARKE: Mr. Callahan is absolutely</p> <p>17 correct.</p> <p>18 MR. ANDERSON: Contractors know how to do</p> <p>19 that.</p> <p>20 MR. CALLAHAN: Yeah.</p> <p>21 MR. DIVILIO: Do you know how many times</p>

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<p>1 you found failures last year?</p> <p>2 MR. CLARKE: Failures. We had I believe</p> <p>3 about three to four system breaks, which</p> <p>4 resulted in let's say a sanitary sewer overflow</p> <p>5 failure kind of scenario with the pump</p> <p>6 stations.</p> <p>7 What I would tell you, what we have seen,</p> <p>8 if you look at our flow data, we've seen our</p> <p>9 flow data -- typically we average around 300,</p> <p>10 330,000 gallons per day. We've seen things</p> <p>11 during wet weather events jump up to 500 to</p> <p>12 550. I mean it's just constant flow coming --</p> <p>13 MS. PRICE: I want to go back to the sump</p> <p>14 pumps going into the drain. So does the</p> <p>15 contractor, the little contractor, not you,</p> <p>16 Mr. Callahan, kind of tell the homeowner when</p> <p>17 he's done his thing, why don't you connect A to</p> <p>18 B? I mean how is this happening because</p> <p>19 obviously it's not permitted?</p> <p>20 MR. CALLAHAN: It's not happening with a</p> <p>21 licensed contractor. I can tell you that. So</p>	<p>1 having six or 700 people, there should be maybe</p> <p>2 some information going out to the homeowners of</p> <p>3 some sort.</p> <p>4 MR. CLARKE: We can do that.</p> <p>5 Just so the Council is aware, we have been</p> <p>6 doing work in St. Michaels right now. And</p> <p>7 with the work in St. Michaels, mobile</p> <p>8 dredging, video pipe services has identified</p> <p>9 areas where they believe we do have sumps</p> <p>10 coming in. It's not a lot.</p> <p>11 MR. CALLAHAN: Right.</p> <p>12 MR. CLARKE: That we've identified, but</p> <p>13 there are a few.</p> <p>14 And then we've had situations in the past,</p> <p>15 we've had a property owner on Tilghman Island</p> <p>16 that basically took the cleanout cap and</p> <p>17 drained his yard going right into that cleanout</p> <p>18 cap.</p> <p>19 MR. CALLAHAN: And everybody is aware of</p> <p>20 it. So not only would it be the sump pump,</p> <p>21 years ago everyone put their washer on it too.</p>
<p>Page 67</p> <p>1 it's homeowners sometimes tie into it.</p> <p>2 MR. CLARKE: Right.</p> <p>3 MR. LESHER: Some of these may be legacy</p> <p>4 systems that have been there for decades doing</p> <p>5 this.</p> <p>6 MR. CALLAHAN: Right.</p> <p>7 MR. ANDERSON: Exactly.</p> <p>8 MR. CALLAHAN: Not only that. Take a look</p> <p>9 at before we're hooking into the sewer system.</p> <p>10 It's already been done. It's been going out to</p> <p>11 the field for years and nobody has ever changed</p> <p>12 it. So now we're hooked into the county, and</p> <p>13 nobody even thought about now the sump pump is</p> <p>14 still going into it.</p> <p>15 MR. ANDERSON: Right.</p> <p>16 MS. PRICE: So how do we address that?</p> <p>17 MR. CALLAHAN: Well, you might want to</p> <p>18 address it with --</p> <p>19 MR. PACK: Legislation.</p> <p>20 MR. CALLAHAN: Not necessarily</p> <p>21 legislation. It should be maybe, if we're</p>	<p>Page 69</p> <p>1 MR. LESHER: Does St. Michaels have a</p> <p>2 segregated storm water drain?</p> <p>3 MR. CLARKE: Yeah. They're separate.</p> <p>4 MR. LESHER: They are separate. So we're</p> <p>5 not treating all the street runoff.</p> <p>6 MR. CLARKE: No. They're separate.</p> <p>7 MS. PRICE: So maybe we can hint to the</p> <p>8 Star Democrat, which is still in the room, that</p> <p>9 part of our problem is people who have their</p> <p>10 sump pumps connected, and hint, hint, maybe you</p> <p>11 shouldn't do that because we will figure out a</p> <p>12 way to address it moving forward.</p> <p>13 MR. DIVILIO: (Inaudible) that water</p> <p>14 should be pumped out away from the house, not</p> <p>15 directly into a line that's pumping it to us</p> <p>16 for us to treat it is what's happening.</p> <p>17 MS. PRICE: It's just water. There's</p> <p>18 nothing to treat.</p> <p>19 MR. CLARKE: What will happen, I mean I'll</p> <p>20 be honest with you, is the property owner,</p> <p>21 their sump and underneath their crawl space</p>

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<p>1 it's pumping. That pipe comes out and is 2 discharging. What happens is it drops down, it 3 flows down the side of the house, it hits the 4 drain tile on the side of the house, comes back 5 in, and it's just cycling like that just 6 continuously.</p> <p>7 So that pump is running all the time when 8 it's raining outside. So they get tired of 9 hearing that pump running, they get tired of 10 paying the electric bill I guess for that, they 11 decide okay, I want to stop this, how can I 12 stop this. And then they go with 13 Mr. Callahan's strategy, which is okay, there's 14 the sewer line underneath my house, underneath 15 the floor, I'll just tie that into that sewer 16 line and I'm done.</p> <p>17 MR. CALLAHAN: Don't make that my 18 strategy.</p> <p>19 MR. CLARKE: It's not your strategy, but 20 you're absolutely correct. You are absolutely 21 correct. It's not your strategy, but you're</p>	<p>1 MR. PACK: We have to put something out 2 there on the books. We can't talk a lot about 3 it now without getting a flag thrown at us by 4 Ms. O'Donnell.</p> <p>5 MS. PRICE: We're in open session.</p> <p>6 MR. PACK: I will certainly --</p> <p>7 MR. CALLAHAN: This is just public 8 awareness so they understand it.</p> <p>9 MR. PACK: I'm talking about going further 10 even more so than through legislation to 11 basically impose some type of a fine or 12 penalty --</p> <p>13 MS. PRICE: And a lot of people may not 14 know. They may have sold their house or it 15 might be connected, like you said, for decades.</p> <p>16 MR. CALLAHAN: Yup.</p> <p>17 MS. PRICE: But get some public awareness 18 out there that it may be coming and so that 19 they should check into how their sump pump is 20 or is not running and disconnect it so that if 21 we do something legislatively, they don't get</p>
<p>1 absolutely correct that's how it works.</p> <p>2 MS. PRICE: Mr. Callahan is not 3 recommending that.</p> <p>4 MR. CLARKE: I'm sorry. I didn't mean it 5 that way. I'm sorry. That was not right, that 6 was not right.</p> <p>7 But with that said, I think that is a 8 growing problem and an issue that we do have to 9 deal with. We've called them belly 10 inspections. Sometimes you're going to have to 11 get a guy out there to do belly inspections 12 underneath the house to verify it. It can be 13 problematic.</p> <p>14 The one thing I think we have had, and I 15 mean we'll dust it off, I think about ten or 12 16 years ago we did have an elicited connection 17 ordinance submitted that didn't go anywhere. 18 We can submit that back to the County Council 19 for your all's review.</p> <p>20 MR. PACK: I'm in favor of that.</p> <p>21 MR. CALLAHAN: Yup.</p>	<p>1 dinged.</p> <p>2 MR. PACK: Just run the line further away 3 from the home, just take the PVC.</p> <p>4 MR. CALLAHAN: Run it over to your lot.</p> <p>5 MR. LESHAR: Your neighbor's basement.</p> <p>6 MR. CALLAHAN: It's all making sense now.</p> <p>7 MR. PACK: No. That's how you end up 8 getting shot. You don't run it into your 9 neighbor's property. That's how the guy got 10 shot last year.</p> <p>11 MR. CALLAHAN: It's going to be a fun 12 situation.</p> <p>13 MR. PACK: Don't go that far. People 14 shooting one another.</p> <p>15 But anyway, where are we, Ray?</p> <p>16 MR. CLARKE: On the next page, we're on 17 the back side of the page, item number two we 18 discussed. We're good to go there.</p> <p>19 The next item, number three, is the belt 20 filter press. The belt filter press that we 21 have today is probably older than some of the</p>

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<p>1 Council members and it's pretty old. We need a 2 new one.</p>	<p>1 it does is it constantly is pushing down, 2 pushing down, pushing down, squeezing the water 3 out.</p>
<p>3 MS. PRICE: Who is the youngest one here? 4 I think that's Mr. Divilio.</p>	<p>4 MS. PRICE: You need to give this man a 5 tour.</p>
<p>5 MR. CLARKE: I'm pretty sure it's older 6 than a few of you. It probably was installed 7 back during the original days of nearly the 8 original days of the plant.</p>	<p>6 MR. CLARKE: A tour? 7 MS. PRICE: Yes. Time for another tour. 8 MR. PACK: So we need to replace it?</p>
<p>9 MR. LESHER: Mr. Clarke, I don't know what 10 that is.</p>	<p>9 MR. CLARKE: Yeah, we need to replace it. 10 It's certainly done its service life.</p>
<p>11 MR. CLARKE: The original days?</p>	<p>11 MR. PACK: Okay. What is the next one?</p>
<p>12 MR. LESHER: No. The belt filter press.</p>	<p>12 MR. CLARKE: The next one really is a</p>
<p>13 MR. CLARKE: The belt filter press, okay. 14 Belt filter press, this is part of what they 15 call back about in the '70s, might have been in 16 the late '70s, the State came out with 17 basically grant funding for what they call 18 solids management.</p>	<p>13 feasibility study for the region five 14 wastewater system. This one basically is going 15 to look at whether or not we upgrade Tilghman 16 or we pump Tilghman to St. Mikes. So that's 17 that project.</p>
<p>19 The belt filter press basically takes the 20 sludge. And what happens when you're doing a 21 wastewater treatment plant, we are cultivating.</p>	<p>18 MR. PACK: Are these ranked in order of 19 importance? Because I would move that. I know 20 the belt press is important, but anyway. 21 MR. CALLAHAN: Ray.</p>
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<p>1 We've got these big bio reactors and we're 2 cultivating bacteria to consume the organics 3 that we all flush, the bugs.</p>	<p>1 MR. CLARKE: To your point, to your point, 2 yes. Rural Development has asked us the same 3 question. And that one is one of our 4 priorities.</p>
<p>4 So what happens is we have to waste those 5 bugs.</p>	<p>5 MR. PACK: I would think so.</p>
<p>6 MS. PRICE: Bugs?</p>	<p>6 MR. CALLAHAN: A couple of years ago</p>
<p>7 MR. CLARKE: Yeah. That's the simple term 8 for the microorganisms.</p>	<p>7 weren't you thinking of, is it -- I can't 8 remember if it was one or the other that you 9 either going to use St. Michaels and shut 10 Tilghman down.</p>
<p>9 So we waste those bugs. And when we waste 10 those, those bugs go into a thickener and then 11 we thicken them up. And then what we do is 12 they die off, then that's sludge. It's a wet 13 sludge.</p>	<p>11 MR. CLARKE: Yes. We were going to use 12 St. Michael's and shut Tilghman down. That's 13 part of that feasibility study.</p>
<p>14 So to dispose of that wet sludge, we've 15 got to drop the moisture content down to 20 16 percent so it can be disposed of at the 17 landfill.</p>	<p>14 MR. CALLAHAN: Okay. Got you. 15 MR. CLARKE: Yes, yes. 16 MR. PACK: So 500,000, 150 for that. 17 We're done at region five again, flow 18 infiltration, same thing.</p>
<p>18 So now all that water and dead 19 microorganisms, which is sludge, is also good 20 to grow stuff, let me tell you that. But yeah. 21 We run it through a belt filter press. And all</p>	<p>19 MR. CLARKE: This one here is going to 20 be -- we're doing a study right now through the 21 Rural Development project for St. Michaels,</p>

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1 which is now looking at the INI issues that we
 2 have and trying to segregate how much of the
 3 flow is coming from infiltration or I would say
 4 probably inflow.
 5 So what we're going to see now is try and
 6 do a similar strategy for Tilghman. See what
 7 we've got coming in with inflow and
 8 infiltration.
 9 MR. LESHER: Is this a video survey type
 10 of thing?
 11 MR. CLARKE: This is actually going to be
 12 a record review. What we'll do is do a record
 13 review and then maybe do some checking with
 14 that.
 15 And what will happen there is maybe the
 16 first step might be to go and pop manholes, see
 17 what we're seeing in the manholes. And then
 18 ultimately if it's clear water, we may have to
 19 come back, drop a potential meter in it and
 20 meter it and see what we've got.
 21 The one thing we'll try and do is meter

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1 this through the pump stations and see what the
 2 flow rates might be through all our individual
 3 pump stations and then see how that plays out
 4 at the plant.
 5 But yeah. Typically the other way to look
 6 at it, too, is we'll try to look at our dry
 7 weather events and we'll look at what the dry
 8 weather flows are and then we'll compare those
 9 to a wet weather event and see how it plays
 10 out.
 11 MR. PACK: Okay.
 12 MR. CLARKE: And then last but not least,
 13 just so the Council is aware on that one, item
 14 number five, typically a lot of grant funding
 15 agencies want that information as well.
 16 MR. PACK: Sure.
 17 MR. CLARKE: So they like to have that.
 18 MR. PACK: Absolutely.
 19 MR. CLARKE: Then we're looking at the
 20 extension of sewer to Bar Neck and Fairbank.
 21 Because Tilghman is not or the region five

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1 plant is not a BNR plant, we are not able to
 2 tap into the Bay Restoration funds for grant or
 3 loans. We could probably get a loan.
 4 So we would be seeking funding once Rural
 5 Development is up and running to try and get a
 6 potential loan and grant package through Rural
 7 Development to extend sewer to Bar Neck and
 8 Fairbank. It's roughly about 100 houses.
 9 They're probably -- they're not too far. So
 10 the pumps that we put in would be more than
 11 capable of pumping them right to the plant. So
 12 it wouldn't be that big of a project job.
 13 MR. PACK: Okay.
 14 MR. CLARKE: And then the last but not
 15 least is kind of we're calling it the Bay
 16 Hundred septic system elimination project. It
 17 will be a septic system elimination project
 18 trying to bring those properties into the sewer
 19 system. But at the same time, we're also going
 20 to need to look at the zoning. So this will
 21 probably do a review of the zoning and whatnot

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1 and see what the zoning impacts would be
 2 associated with trying to get sewer out to
 3 those projects.
 4 MR. LESHER: Back to Bar Neck and
 5 Fairbank, with that kind of capital investment
 6 spread out over X units, are we looking at
 7 similar monthly charge on this to -- from what
 8 we're seeing down in Bozman and Neavitt?
 9 MR. CLARKE: They'll probably be in the
 10 \$700, maybe \$800 scenario.
 11 The one difference that we'll probably see
 12 with Bar Neck and Fairbank, the capital charge
 13 in St. Michael's is \$12,000 per EDU or per
 14 house. I would say down in the Bar Neck or the
 15 Tilghman plant, because it's not been upgraded
 16 with ENR, that capital charge I think is maybe
 17 about 9,000, eight or 9,000 total. So we'll
 18 probably see a little extra money there.
 19 Then this project will also look at trying
 20 to tap into whatever grant funding we can find
 21 through Rural Development to help offset that

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<p>1 cost. But we're probably going to talk 2 between, I hope we will talk 700 to \$800 a 3 year. It may be 900.</p> <p>4 But to your point, it could be more. It 5 could be up to \$100 a month. So until I know 6 where we stand with Rural Development with 7 grant, I don't know what that rate might be.</p> <p>8 MS. PRICE: What if these people don't 9 want to connect?</p> <p>10 MR. CLARKE: And that's the problem with 11 Rural Development. You have to connect with 12 Rural Development. You don't have a choice.</p> <p>13 Now, with that being said, we had to sit 14 down and discuss that with Rural Development. 15 But sometimes there's what they call a benefit 16 charge and that they may not have to connect at 17 that point in time, but they would have to 18 still pay a benefit charge for that sewer to be 19 out and to be available to them.</p> <p>20 But they also would, if they chose not to 21 pay that benefit charge, then they would have</p>	<p>1 when they are selling, that's when they do 2 connect. Those properties, they always, when 3 they're selling, they connect.</p> <p>4 Now, I will say that the other interesting 5 thing about this, Rural Development has been 6 very good to the county and they've identified 7 to us that when we are talking sewer 8 extensions, that we incorporate broadband. We 9 are going to look at trying to incorporate the 10 broadband component.</p> <p>11 In addition to that, I know with the Roads 12 Department, I've talked with Warren a little 13 bit. There's a way we can do some wedge and 14 leveling to help the road improvements out 15 there. We'll try and do that as well.</p> <p>16 MR. LESHER: Is it because, the broadband, 17 there could be buried infrastructure or is that 18 likely up on the polls?</p> <p>19 MR. CLARKE: Rural Development has been 20 very supportive of trying to tie in broadband 21 into sewer projects. And we've talked to them</p>
<p>Page 83</p> <p>1 to pay the retroactive benefit charge that 2 would go back to when the system started up. 3 And they would have to pay all that plus the 4 capital charge to get in. So those are the 5 things that would have to be reviewed and 6 discussed.</p> <p>7 The other thing, just so the Council is 8 aware, we've tried to do this in the past, is 9 that when we do talk to property owners, we say 10 look, we know we got this grant money. When 11 the project's done, it's gone. So what we're 12 offering to those that are connecting today 13 with X dollars in grant, they may be gone for 14 you when you come in. So those are sometimes 15 some hammers, or not hammers, but you know, 16 carrots that we can throw out.</p> <p>17 MR. PACK: And good luck trying to sell 18 your property if your neighbor to the right and 19 to the left is on sewer and you're still on 20 septic.</p> <p>21 MR. CLARKE: Right. And the good news is</p>	<p>Page 85</p> <p>1 about that.</p> <p>2 MR. LESHER: This is buried 3 infrastructure?</p> <p>4 MR. CLARKE: This would be buried, yes. 5 We also have been looking at the 6 possibility of going wireless in some cases. 7 But I think buried would probably be the better 8 solution.</p> <p>9 And then last but not least I guess would 10 be that if everything worked out and we haven't 11 been killed or we haven't died of all the 12 workloads, we would try and go to the next 13 project, and that probably won't come until 14 year. And that would be doing the expansion 15 project of the region two wastewater treatment 16 plant, which we anticipate is the way we're 17 going to end up going.</p> <p>18 MR. CALLAHAN: Right.</p> <p>19 MR. CLARKE: The other project I haven't 20 listed here and I just haven't had time to pull 21 it all together, that would tie into this a</p>

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<p>1 little bit, and that would be a potential 2 extension out to Claiborne.</p> <p>3 We do have a situation where Chesapeake 4 Landing is a failed septic system. They've 5 been in a pump and haul scenario. So we could 6 come by and pick them up. We'll be able to get 7 points and potentially get out to Claiborne.</p> <p>8 And then from there, we could start the 9 process of going down 33 and go to McDaniel, 10 Wittman, and then Sherwood, and then hopefully 11 Tilghman.</p> <p>12 MR. PACK: So the region two is currently 13 600,000?</p> <p>14 MR. CLARKE: 660.</p> <p>15 MR. PACK: 660. So what are we thinking 16 about? A million?</p> <p>17 MR. CLARKE: No. It would be right now we 18 have two trains, two 330,000 gallon trains. We 19 would be looking at building a third 330,000 20 gallon train, which would be 990.</p> <p>21 MR. PACK: Well.</p>	<p>1 MR. PACK: So the piping is there for a 2 990 or million.</p> <p>3 MR. CLARKE: Right. Then what will end up 4 happening, we would end up working with MDE to 5 transfer the loads from Tilghman to St. Mikes. 6 So all the loads would go to St. Mike's.</p> <p>7 MR. PACK: And decommission.</p> <p>8 MR. CLARKE: And then we would 9 decommission.</p> <p>10 The other thing that we would also look at 11 doing, and we've discussed that with MDE, would 12 be to go to a higher level of treatment on the 13 tertiary side. That would probably be using 14 micro -- MBRs.</p> <p>15 MR. PACK: MBRs.</p> <p>16 MR. CLARKE: So we would be going there.</p> <p>17 MR. PACK: We were looking at that for 18 down at the Ferry Point project.</p> <p>19 MR. CLARKE: We were.</p> <p>20 But in this situation, the MBRs basically 21 get you to a point that you're almost</p>
<p>Page 87</p> <p>1 MR. CLARKE: Roughly a million, okay. 2 Engineers, you know.</p> <p>3 MR. CALLAHAN: Technically.</p> <p>4 MR. CLARKE: 990. A million is going to 5 get me in trouble.</p> <p>6 MR. PACK: Well, from what I understand 7 correctly from previous engineers is that the 8 infrastructure underneath that plant can handle 9 a million.</p> <p>10 MR. CLARKE: Yes.</p> <p>11 MR. PACK: It was designed and built for a 12 million, but the (inaudible) got it down to 13 660, but it was designed for a million.</p> <p>14 MR. CLARKE: The other thing, so the 15 Council is aware too, nothing to diverge, but 16 that plant was designed to handling two back to 17 back ten-year storms.</p> <p>18 MR. PACK: Sure.</p> <p>19 MR. CLARKE: So that was the objective. 20 We can handle a peak flow of probably 21 3.5 million gallons for that plant.</p>	<p>Page 89</p> <p>1 chemically treating it down to drinking water 2 quality.</p> <p>3 MR. PACK: We wouldn't want to drink it.</p> <p>4 MR. CLARKE: You can, you can. We're 5 going to get all that estrogen out of there and 6 all that other good stuff.</p> <p>7 MR. PACK: Have at it, Ray. Have at it.</p> <p>8 This has all been great. Very ambitious. 9 A lot of these projects, again, we were talking 10 about it earlier today, so I think we're 11 certainly headed in the right direction.</p> <p>12 The community center project is a big one 13 here.</p> <p>14 MR. CALLAHAN: That's huge.</p> <p>15 MR. PACK: Yeah. As well as the other 16 expansion projects as well.</p> <p>17 So do we have any other comment from 18 Council?</p> <p>19 MR. DIVILIO: It seems like there's a lot 20 of -- these are huge numbers in an effort to 21 try to clean up the failing septic systems and</p>

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<p>1 address these issues. But there's no real 2 money to recoup on any of this, right? None of 3 the pump stations that we would be able to 4 sell? 5 MR. CLARKE: I wish. No, there isn't. 6 The sad part, to your point, I mean 7 anything we do that's for an existing system, 8 the only way -- we're an enterprise fund. So 9 that's going to actually, if we have to borrow 10 money, it's going to now have to come back and 11 they're going to have to pay for it. 12 Now, with all that being said, what I 13 would just highlight to Council to be aware of, 14 we're talking roughly if we get the Resolution 15 235. 16 MR. PACK: Arcadia Shores? 17 MR. CLARKE: Well, Arcadia Shore, all 18 those. 19 We get those connected, that's going to 20 generate roughly about \$3.6 million of capital 21 charge. That capital charge will then go to</p>	<p>1 MR. PACK: Let me ask you this, Ray. 2 St. Michael's as far as development rights 3 other than infill, do they have any more 4 development rights in the Town of 5 St. Michael's? 6 MR. CLARKE: They do. 7 MR. PACK: I know they were going to give 8 up what, 444, 400,000 gallons from Martingham, 9 if I remember correctly. 10 MR. CLARKE: It was 44,000, 45,000, yeah. 11 Just give you some history. Back I guess 12 back in 2004 I believe, MDE was asking me to 13 allocate the flows, and I allocated the flows. 14 We found that St. Mike's at the time with all 15 the proposed development needed about 16 110,000 gallons of wastewater capacity. 17 In talking with Jean Weisman over the last 18 let's say five to six, seven years, now that we 19 no longer have the Miles Point project and we 20 don't have the garden project. Again, so you 21 all are aware, when we were looking at</p>
<p>Page 91</p> <p>1 help to pay off the debt service on the 2 wastewater treatment plant upgrade. 3 Then we have basically if we get out to 4 the Bozman Neavitt properties, we're looking at 5 a capital charge of about \$7.3 million coming 6 in. The debt service will be eliminated. 7 So the good news now will be for the 8 citizens of St. Michael's as well as the 9 existing users, Royal Oak, Newcomb, Bellevue, 10 that half a million dollar debt service or in 11 that neighborhood, half a million, \$700,000, 12 would go away. 13 MR. PACK: Good, good. 14 MR. CLARKE: The only disadvantage is that 15 debt service now is going to go onto those 16 users from Bozman and Neavitt. 17 MR. PACK: Right. 18 MR. CALLAHAN: Got you. 19 MR. CLARKE: And those guys. 20 MR. ANDERSON: Can't we spread it? 21 MR. CLARKE: I wish I could.</p>	<p>Page 93</p> <p>1 upgrading the St. Michael's wastewater 2 treatment plant and expanding it to 660, a lot 3 of that debt was supposed to have been paid for 4 by new users. 5 MR. PACK: Don't bring that up. 6 MR. CLARKE: I know. It's painful. 7 MR. PACK: Too painful. 8 MR. CLARKE: I remember. It was painful 9 for me, too. I lived it. 10 But yeah. From that, we ended up, our 11 financial plan went to ruin. 12 MR. PACK: (Inaudible.) 13 MR. CLARKE: Yeah. So we've been 14 operating on a very, very razor thin margin for 15 a very long time. 16 And so now, what we're hoping I guess with 17 the sewer extensions that we're talking about 18 is generating revenue to pay off our existing 19 debt. And then the debt that we are going to 20 accumulate would then be transferred over to 21 those new areas.</p>

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1 MR. PACK: Thank God.

2 MR. CLARKE: But it is a big project. And

3 the sad part is those new users are going to

4 have to pay. There won't be anything coming

5 out of the county.

6 And then what I would also let the Council

7 know is that once we have that roughly

8 \$10 million coming in, that should provide us

9 with a nice cushion of cash that could be in

10 the neighborhood of two to \$3 million. So that

11 if anything catastrophic happened at that

12 plant, we now have money to go to. We wouldn't

13 have to turn to the county and say county, we

14 need to borrow a couple million dollars because

15 we lost this or that.

16 MR. CALLAHAN: One last thing. Did you

17 say do you think the community center will be

18 online this year?

19 MR. CLARKE: I'm doing what I can.

20 MR. CALLAHAN: Okay.

21 MR. CLARKE: If I can get the grant

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1 funding through the BRF, we'll do everything we

2 can to do that.

3 MR. PACK: That would be a big, big plus

4 if we can do that.

5 MR. CALLAHAN: Okay.

6 MR. PACK: All right. Are we good?

7 Well, gentlemen, thank you very much for

8 coming in.

9 MR. CLARKE: Thank you. Appreciate it. I

10 apologize it took so long.

11 MR. PACK: No, no. It was excellent.

12 Thank you.

13 For the record, County Council will be

14 going into closing session for legal advice

15 regarding an injunction filed against LS

16 Futures. Okay. So we're going to go into

17 closed session.

18 Is there a motion to do so?

19 MR. CALLAHAN: So moved.

20 MR. PACK: By Mr. Callahan.

21 MR. LESHER: Second.

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1 MR. PACK: Second by Mr. Leshner. All in

2 favor.

3 COUNCIL: Aye.

4 MR. PACK: All opposed?

5 (Work session concluded at: 5:55 p.m.)

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1 STATE OF MARYLAND

2 I, Diane Houlihan, a Notary Public in and

3 for the State of Maryland, County of Anne Arundel,

4 do hereby certify that the within named, Talbot

5 County Council Audio, personally appeared before me

6 at the time and place herein set according to law,

7 was interrogated by counsel.

8

9 I further certify that the examination was

10 recorded stenographically by me and then transcribed

11 from my stenographic notes to the within printed

12 matter by means of computer-assisted transcription

13 in a true and accurate manner.

14

15 I further certify that the stipulations

16 contained herein were entered into by counsel in my

17 presence.

18

19 I further certify that I am not of counsel

20 to any of the parties, not an employee of counsel,


21 nor related to any of the parties, nor in any way

interested in the outcome of this action.

AS WITNESS my hand Notarial Seal this 21st

day of January, 2019, at Easton, MD.

14

15 

16 _____

17 Diane Houlihan

18 Notary Public

19

20 My commission expires September 16, 2021

21

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