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## Deposition Services, Inc.

12321 Middlebrook Road, Suite 210
Germantown, MD 20874
Tel: (301) 881-3344 Fax: (301) 881-3338
info@DepositionServices.com www.DepositionServices.com

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## PROCEEDINGS

MS. REID: Good evening, on behalf of the women and men of WSSC Water, welcome to this evening's public hearing on our Planned Advance Metering Infrastructure or AMI Project. AMI is technology that measures your water usage and communicates this information wirelessly from a Smart Meter to us. The advantage to you is that AMI will allow you to better manage your water use to help you conserve water and save money. This technology is the latest example of our ongoing efforts to modernize our infrastructure to better serve you. In fact, investing in innovative technologies to enhance customer service has been a priority since 1918, the year we were founded.

Take water mains, for example, the buried pipes that carry our safe, clean water straight to your tap. In 1918, this is what it looked like, wooden pipes wrapped in steel wire, a pretty old and antiquated way of delivering water. Fast forward 102 years and now we use this pipe. It is zinc coated ductile iron pipe. This state of the art material is expected to last for 100 years or more.

Now you know we didn't get here overnight. It took commitment to invest in the latest technology to better serve our customers and that's exactly what we plan to do with AMI. Replace the old antiquated way of reading meters by investing in modern technology that provides tremendous

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benefits to you.

Before Utility Services Director, Damion Lampley, provides a brief overview on how AMI works, I will ask Chuck Brown, our Director of Communications to detail the outreach efforts for tonight's hearing and provide an overview of how this virtual public hearing will be conducted. So thank you again for joining us this evening and thank you for being a WSSC Water customer. Chuck?

MR. BROWN: Thank you very much, Carla, thank you guys for joining in. Chuck Brown, Director of WSSC Water's Communication Office. I'm pleased to highlight the extensive customer outreach that we've gone through to promote tonight's public hearing and last night's public hearing as well.

From traditional media to social media, we used a variety of methods and tools to make sure that you guys knew about tonight's hearing. So let me go through the list of items that we did. We advertised in The Washington Post on September 10th. We promoted heavily on our social media platforms, including Facebook and Twitter, including promoted posts on Facebook. We issued news releases on September 21st and September 29th. These releases were also posted on our WSSCWater.com webpage. Both releases were issued through our Constant Contact list also on the 21st and 29th to our 1,380 Constant Contact subscribers. We also

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paid radio advertising. We paid radio on WTOP, on WMMJ, which is Magic FM, WHUR and WLZL, also on Pandora. The ads ran between September 21st and today, September 30th.

Additionally, this information was posted, tonight's meeting information was posted on our events section of our webpage as well as on our AMI webpage as well. And finally, those customers who have e-mailed us through our AMI e-mail, which is amiproject@wsscwater.com, we e-mailed everybody details about tonight's hearing that had e-mailed us, and we also e-mailed our customer feedback community that's an online customer feedback community.

So with that, Damion, I am going to share my screen and turn it over to our Utility Services Director, Damion Lampley, to provide a brief presentation on how AMI works. So Damion, bear with me one second as I share my screen.

MR. LAMPLEY: Thank you, Chuck.

MR. BROWN: Go right ahead, Damion.

MR. LAMPLEY: Good evening and welcome. I am

Damion Lampley, Director of Utility Services. Tonight I

will be providing a brief overview of AMI Advanced Metering

Infrastructure, also commonly known as Smart Meters. Next
slide.

As I get started, I will walk you through how we obtain meter readings today at WSSC Water, additionally, I

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will share our challenges with meter reading and how modernizing with AMI resolves those challenges and provides tremendous benefits to our customers. I will also detail public feedback, Smart Meters and health, AMI and privacy, opt-out options and next steps for the project. Next slide.

Since 1918, WSSC Water has been delivering safe, clean water to homes and businesses in Prince George's and Montgomery counties. But before our clean water pours out your tap, it passes through a meter to determine consumption and use. And for 102 years, the vast majority of our meter readings, 96 percent, have been collected by walking door to door and with approximately 492,000 meters in our service area, that's a lot of walking. On average, our meter readers walk approximately 10 miles each day collecting reads via touchpad mounted on the outside of a house or by getting on their hands and knees to look into a meter pit. A small percentage of our meters, about 4 percent, are read using drive-by technology called AMR or Automatic Meter Reading. Next slide.

Let's face it, meter reading is a tough job.

Walking all those miles in the heat, rain, snow and cold

takes its toll, and because it's such a physically demanding

job, we experience a high turnover rate for meter readers.

In fact, in the last five years we've experienced a 50

percent turnover rate requiring us to hire more than 93

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meter readers. This high turnover rate means staff spends countless hours training new meter readers again and again and again. Staff fatigue plus an ever revolving door of new meter readers leads to errors and delays.

As we maintain several different types of meters, we have to maintain different equipment such as handheld devices, antennae's, laptops and receivers just to support meter reads. This leads to costly maintenance and repairs on these different systems. Aging meter infrastructure is another operational challenge for us, 63 percent of WSSC Water meters are 15 years or older.

Currently, the average age of a residential meter in our service area is just over 17 years and with an expected life of 15 to 20 years per meter, we see some degradation in these older units which requires one of our meter mechanics to drive out and address the issue in the field. Speaking about driving, that's another challenge we face. Each year, WSSC Water crews are dispatched more than 200,000 times to address meter related issues. There is a huge environmental and cost impact associated with driving all these miles. Next slide.

So as our General Manager mentioned, AMI is part of our ongoing modernize efforts to better serve our customers. The project is currently in the planning phase.

AMI allows meters to communicate usage wirelessly using

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radio or cellular technology and consist of several components. The water meter, an in-code or register with a built in low frequency small radio or cellular transmitter. Data such as meter characteristics, system pressure, water temperature, chlorine residuals and consumption is encrypted and transmitted to WSSC Water. Customers then have the benefit of having near real time water usage at their fingertips through a customer portal allowing them to better manage their water use, to protect against high bills.

To get a better idea of AMI and how it works and the benefits of this technology, we put together this short video.

(Whereupon, a video was played.)

MR. LAMPLEY: As mentioned in the video, AMI offers you, the customer, key benefits all centered around giving you more information to better manage your water use and save money. Implementing AMI will allow WSSC Water to move to monthly billing, providing you with smaller and more frequent bills for easier budgeting. Implementing AMI also helps us reduce estimated bills caused by meter reading errors. And just like you may have home plumping leaks, we also have leaks in our massive distribution system that AMI can help us locate and prevent water loss. One key benefit of AMI is the water quality capabilities it provides us.

Because AMI can track system pressure, we will get alerts if

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the system pressure drops due to a large break, allowing us to quickly address the issue so we can maintain adequate pressure and prevent contaminants from entering the water supply. I already mentioned the environmental benefits of AMI helping to decrease our carbon foot print, but I want to go back to highlight the second bullet on the right hand column because there seems to be a lot of confusion when we talk about reducing meter staff field visits.

AMI will not result in any job loss. All existing meter readers will be retrained to help fill gaps in other parts of the organization, and I'm sure there will be some meter readers who will work to support the new AMI system.

Next slide.

Because we value transparency and public feedback, WSSC Water has done extensive public outreach to ensure customers know about the project and have opportunities to provide input. We've had several commission meetings where AMI has been on the agenda, each meeting provides an opportunity for public comment. We have also sent information on AMI to every customer via our newsletter and have discussed the project at various community events. We post project information on social media. We've also developed a webpage on the project which details public feedback received and provides a link where you can e-mail us questions at amiproject@wsscwater.com.

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Most of the feedback we've received has focused on health concerns related to the radiofrequency used to communicate water usage information. AMI water meters operate off of the same radiofrequency as other commonly used devices including cell phones, Wi-Fi, TV remotes, Bluetooth and microwave ovens. Next slide.

WSSC Water is an expert in the field of water purification and distribution, as well as the safe treatment of wastewater. We are not experts on the topic of radiofrequency emissions, which is why we rely on government agencies entrusted to protect the public health and scientific experts who have studied the topic for decades. To date, there is no consistent scientific evidence of health problems caused by exposure to radiofrequency energy emitted by cell phones, Smart Meters or similar devices. fact, the U.S. Food and Drug Administration, which is responsible for the collection and analysis of scientific information related to the safety of cell phones and other electronic products, states that the current limit of radiofrequency set by the Federal Communications Commission remains acceptable for protecting public health. Groups that have thoroughly researched this issue and have come to similar conclusions include the World Health Organization, American Cancer Society, the National Cancer Institute and the California Council on Science and Technology.

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To ensure we had access to the latest information, we commissioned a report by Dr. Leeka Kheifets, Professor of Epidemiology at the UCLA Fielding School of Public Health. Her report is available on our website, it confirmed what other experts have found that what, that the exposure to radiofrequency from Smart Meters are neither long enough or strong enough to approach the safety standards set by the Federal Communication Commission. Now we respect that there are different points of view, and we remain open to listening and fully support additional research on this topic. Next slide.

Other concerns we have heard focus on privacy.

Meter information and usage data is encrypted using industry standard processes before being transmitted to WSSC Water.

Personally identifiable information such as name, address, bill account number or credit collection information is not transmitted to and from the meter. Next slide.

We've also heard from several customers regarding whether or not we will offer an opt-out option as part of this project. For those who may not know, an opt-out program would allow customers to decline the installation of AMI equipment at their location, requiring manual meter reading of their meter. The various opt-out alternatives listed on the slide. No opt-out where all customers are required to accept the AMI equipment. Opt-out No Fee,

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customers can decide not to receive the AMI equipment, without being charged a fee. However, all customers bear the additional cost associated with manual meter reads. And then there's Opt-out for a Fee, where customers can decide not to receive the AMI equipment but are required to pay a fee to cover utility expenses associated with reading their meter. This fee assessed for each reading is perpetuity when opting out. And Meter Relocation to Outside, customers with an inside meter can have their meter and AMI equipment relocated outside of the home for a fee paid by the customer. About 64 percent of our meters are located inside a home or business.

We have not yet made a decision on opt-out alternative, as we continue to carefully evaluate all options. Your feedback tonight on this topic is appreciated. Next slide.

So after the public hearings, we will summarize public feedback and present management's opt-out recommendations to our Commissioners at their October 21st meeting. Commissioners will then have the opportunity to vote on an opt-out alternative at their November meeting. Around the same November timeframe, the AMI solicitation will be advertised with a contract expected to come before our Commissioners for a vote in October of next year, 2021. In between now and October, we will continue to engage the

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public and listen to feedback on AMI.

That concludes my presentation, now I will turn it over to Chuck to facilitate public feedback. Chuck?

MR. BROWN: All right. Thank you, Damion. I have feedback, so someone needs needs to turn down their sound, maybe that's you, Damion, if you could turn down your sound I'd appreciate it.

All right. We'd now like to open the meeting up to public comment. As you see on the screen the call in number is 1-240-800-7929 and the conference ID number is 783785467, 467 excuse me. For the record please state your name and county you reside in prior to making comments. Please limit your comments to three minutes. Now if you did testify yesterday, at yesterday's public meeting, we thank you for testifying, there's no need to testify again tonight as we've already captured your testimony yesterday. So if you did testify last night and you're on the line, please enjoy your evening, thanks for testifying yesterday and allow others the opportunity to respond tonight. testimony is longer than time allows, you may provide a written copy of your testimony to us prior to the close of the public hearing record which is noon on October 12, 2020. Again, you see the numbers on your screen and the conference ID 783785467 and we will begin listening to the public comment. Hi, welcome to the public hearing on Advanced

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Metering Infrastructure, if you want to state your name and the county you reside in. You have three minutes.

MS. KLINE: Sure, thank you. My name is Lisa
Kline, I live in Montgomery County. Thank you once again
for your time tonight. I've been here before and I am
opposed to forced Smart Meters on my home, as they threaten
my safety and my sense of security in my home for myself, my
family and my neighbors, who know nothing about this
project. I will continue to show up here until I can
decline a Smart Meter or you suspend the project.

While there's a lack of conclusive evidence that RF radiation, particularly in aggregate is safe, it's WSSC's staff's responsibility to look at all sides of the proposed project which leads me to a new concern tonight. That is the advice that you're receiving from your consultants.

Arcadis (phonetic sp.) is in the business of smart water or technology based solutions for water management.

Its Global Director of Digital Innovation said today's challenges need to tap into new technology and Arcadis is determined to make it an integrated part of the consultancy offer. Given this mandate, I don't trust that your consultant is bringing you unbiased information.

Industry experts say AMI will drive a market up

17.1 billion dollars over the next decade, here in the U.S.

Surely, Arcadis and its shareholders want in on that gold

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rush and WSSC is part of that business plan. Arcadis also acquired a software company called Seems (phonetic sp.) to bolster its data analytics ability. This makes me very nervous about my personal identifiable information being mined and exposed if WSSC moves ahead with AMI.

I also read through the contract recently. A health and safety management plan is promised, I'd like to see that. The contract does not clarify who's liable for excessive RF emissions or fire. Who is liable if rate payers like me are harmed?

There is a promise of a Technical Review Board.

This should absolutely include members of the public and health experts.

In my written testimony, I'll outline some legal issues with the consultants and I won't air them here, but they are very concerning and they make me pretty unsettled to contribute my dollars to the 8 million dollar tab that we're paying for this company to reluctantly include optouts in the proposal, or anxiety tax, I should say as Commissioner Denis pointed out last week and I think it's a good term. People like me who have had direct experience with pediatric cancer are very anxious about this project. I'm that parent you don't want to be, who has lost a child to cancer and has been following environmental carcinogens ever since that loss. There are plenty and this one ranks

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right in the top five. On a final note --

MR. BROWN: Lisa, your three minutes are up. Okay, yes, your final note if you could summarize, I'd appreciate that. Thank you.

MS. KLINE: Will do, thank you.

MR. BROWN: Hi, welcome to WSSC Water's Public Hearing on Advance Metering Infrastructure. If you want to state your name and the county you reside in, and you have three minutes to speak.

MS. PRITCHARD: Thank you. My name is Anna
Pritchard, I reside in Silver Spring, Maryland. Good
evening WSSC Commissioners and thank you for this
opportunity to speak. I have testified before you twice
before and now it appears that you are planning to go
forward with the installing of the Smart Meters in our
homes, and will charge a fee to have it moved to the outside
of our homes as well as charge an opt-out fee, and raise our
water bills without taking many sincere and educated
testimonies regarding our health and cost concerns into
consideration. I am a professional healthcare provider,
I've been a registered nurse for 35 years and now am a
certified nutritional consultant and hold a doctorate degree
in naturopathy. It is my job to be concerned with anything
that may harm people.

I've been studying about Smart Meters since Pepco

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began installing them on our homes several years ago, and I and a dear friend of mine had harmful experiences with them, in addition to reading about many harmful health effects that have held, have others have experienced. The science is there. Dr. Martin Pall, PhD, has done extensive research on the harmful effects of electromagnetic frequencies on the human and animal body. For details, please see my references.

Electromagnetic frequencies are not natural to our bodies, they are foreign and enter our bodies and have a serious, a myriad of serious affects such as making the blood brain barrier more permeable, breaking DNA single and double strand bonds, decreasing the strength of our immune systems, insomnia, fatigue, memory problems and et cetera. Dr. Amy Myers, M.D., a very highly credentialed and highly regarded medical doctor has investigated Smart Meters and studied the harmful effects of them in her article, How Dangerous Is Your Smart Meter, which you can see in my reference. She has written many details about why and how Smart Meters are dangerous to our health.

Please keep in mind that industries standing to make a lot of money on this installation want to make the money and are not educated on the harm of Smart Meters. I have read that they were named Smart Meters so that the public would not be alarmed of any harm they may do. A

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study done on adults from a sample of their blood was studied under a microscope before and after exposure to a Smart Meter at close proximity and it showed that the red blood cells which were normally round and separate from each other were, became deformed and stuck together in rows called rouleaux formation. This shows extreme inflammation and the cells could not deliver their oxygen to the body and could cause blood clots. If left this way, in close proximity to the Smart Meter, this could cause very serious affects, even stroke.

If the Smart Meters are installed in or on our houses, you don't know how close the residents of the home may be to that meter. I know that if it is placed in the place in my home right now where my water meter is, it would be only three yards from where I stand in the kitchen a lot of the time. Many people will begin to have symptoms and not know what is causing it. To me --

MR. BROWN: You're at three minutes right now, so if you want to summarize, please, to let others speak, appreciate it.

MS. PRITCHARD: Thank you so much. So respectfully, I just want to say to me this is really unconscionable and really should you, you should educate, be more educated and have a, an inspection by an industry, industry separate from an industry expert on electromagnetic

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frequencies before you force us against our will to have these installed in our houses. I have presented no matter of mere concern or any other non-substantive matter, matter, but solely matters of substance and fact and law. Thank you very much.

MR. BROWN: Thank you. Hi, welcome to WSSC
Water's Public Hearing on Advanced Metering Infrastructure.

If you want to state your name and the county you reside,
and you have three minutes to provide testimony.

MR. JANCO: I am Robert Janco (phonetic sp.) I live in Montgomery County. I am frustrated. It appears that staff decide to move to AMI Meters 10 years ago and has been spending their time generating justification for AMI I disagree with staff's characterization of citizen testimony as all health concerns. People have testified about the wasteful spending for AMI, the lack of analysis showing a financial benefit for AMI Meters, the continued increase of WSSC's budget over the rate of inflation, twelve characterizations that health is all about cancer. There is no need to get bogged down in the telecom industry's war of competing studies. The Cleveland Clinic advises men that they should not keep cell phones in their pants pockets if they want to have children. We recommend that men who are actively trying to cause a pregnancy keep their cell phones as far as possible from their pelvic region, changing

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economics, or the present pandemic.

With regard to opt-out, staff has left out two options we mentioned, self-meter reading. I understand that WSSC already has this program in place and wired meters. Let the customers attach their meter to their wired internet (indiscernible) sells the ready wired reading meters. Why were they left out? Why isn't staff investigating these options? Should it be proven minute by minute water readings is cost effective and a wired connection provides it, why are we in this adversary battle? Why are you ignoring a technical solution that meets all of our needs? It seems to be a feature of our times. Let's step back and work together for a solution that meets all of our needs. WSSC should not be waterboarding us by forcing AMI on us. Let's work for a win/win for all.

On the announcement page for this meeting, WSSC states we work to deliver our best because it's what our customers expect and deserve, being the best means including the needs of all customers. Thank you.

MR. BROWN: Thank you. Hi, good evening and welcome to WSSC Water's Public Hearing on Advanced Metering Infrastructure. If you'd like to state your name and the county you reside in, and you have three minutes to speak.

MR. WILSON: Marcus Wilson, Prince George's

County. Thank you for allowing me to submit my comments on

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WSSC's proposed Advanced Meter Infrastructure. As present on behalf of Acme Local 2890 here at WSSC Water, a Prince George's County resident, taxpayer and WSSC Water rate payer, I ask Commissioners to consider and evaluate the feedback given on proposed 100 million Advance Metering Infrastructure proposal.

There are many questions and concerns and information left out regarding these Smart Meters, one what are the risks, will customer data be breached? WSSC wants to spend 100 million dollars in the middle of a pandemic at the same time telling WSSC Water employees that they have no money. They continue to demonstrate this reckless behavior by consistently spending unnecessary money. When WSSC Water has no competitors in either county why spend up to one million on a name change? Please recall that that amount of money became, became public knowledge, customers had an uproar about the outrageous cost and that it didn't fit, benefit the communities. Now WSSC had to put on record that they won't spend all one million within a year, but will now spread it out over the next few years.

Thus far Project Cornerstone has continuously shown itself to be unreliable, undeveloped and continuously failing despite all the evidence of Project Cornerstone not, not proving to be what (indiscernible) we continue to throw senseless amounts of money of revenue into this project,

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which is already 50 million dollars over budget. WSSC continues to start projects and not complete them.

amounts of money but does not adhere to the consultant's full advice. Over \$300,000 paid to a consultant for the name change, over 9 million approved for the AMI Smart Meter Project Management. There needs to be a full accounting of how this money is spent. WSSC claims to bear the high turn, current turnover in meter readings, meter readers in the department but fails to inform the public that the meter readers at WSSC are one of the underpaid workers within the region. WSSC is the eighth largest water and waste water utility in the nation, but the meter readers make way less money than the meter readers in the in surrounding utilities like Fairfax Water, D.C. Water and others.

WSSC Water serves over 1.8 million customers, which is almost triple the amount of customers served at D.C. Water, in an area which the cost of living is challenging. The meter readers are unrepresented with no union and which management consistently takes advantage of this.

Estimated bills wouldn't be a problem if WSSC hired more employees with adequate pay and better working conditions. WSSC has put out into the community that H2O heroes work here, which is true, but they constantly claim

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to tell employees that they have insufficient funds to support the heroes work, who work here day in and day out, with no realistic way (indiscernible) for union employees and non-union employees. But WSSC is very management top heavy with high salaries and is driven by unrealistic boundaries directed toward union and nonunion employees concerning their wages. The working conditions at times are unbearable, before spending 100 million, try spending a small portion of that money and reinvesting it into your own workers. WSSC has facilities that have mold and that are not accommodated with the American with Disabilities Act, ADA complaint. No handicapped bathroom stalls, no handicap automated doors. WSSC as a whole is not in compliance with ADA and continues to look past those among us with physical challenges every day. We have made no attempt to contribute to the inspiration of many others who try each and every day to become more independent and assist them with their requests to maintain their dignity.

MR. BROWN: Sir, sir you've reached --

MR. WILSON: Many of us have loved ones that continue to strive to be looked upon as equal.

MR. BROWN: (Indiscernible).

MR. WILSON: We ask what are you going to do to correct this? Thank you.

MR. BROWN: Thank you. Hi, welcome to WSSC

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Water's Public Hearing on Advanced Metering Infrastructure.

If you want to state your name and the county you reside in,
and you have three minutes to speak.

MR. HAWKINS: Thank you, George Hawkins, I live in Montgomery County. I'm pleased to testify today about the AMI Smart Meter Project for WSSC. I am the prior CEO of D.C. Water and D.C. Water several years ago implemented a full-scale AMI implementation project and my most important message is one of the best projects that D.C. Water ever undertake, undertaken and during my entire tenure. I've put the benefits of, of AMI in three very important categories, the first is affordability, the second is conservation and the third is public safety.

On affordability, there is no program that we did that delivered more benefits to our customers than AMI Metering. We received benefits and a return from our customers that are positive almost by the day. Customers are able to monitor their water use, understand use of the home, draw down water use that they do know is happening, and we automatically alert customers for leaks in the home, even though it is not part of our system. That has saved D.C. Water customers hundreds of thousands of dollars. Very important for all of our customers, but particularly those who are low income.

Second is conservation. AMI allows you to

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understand your system use. Leaks, as I mentioned at the side of the meter at the home or at the side of the system known by WSSC. Either of those leaks can be pinpointed within incredible accuracy and timing, enabling the agency to respond to those leaks and conserve the water that otherwise would be leaking into the ground or even worse into the home. Water conservation will become a more important issue over time as water is one of the most important issues for the future of our society. AMI allows us to operate a system far more efficiently.

Third is public safety. It's remarkable it happened at D.C. Water. We did not lose any employees. Every employee who had been a meter reader was redeployed to other work. There is plenty of important work to be done in the enterprise. It allows our meter readers to be safer, it allows us to have information about the system. We often will solve problems before they even occur, avoiding water main breaks, avoiding flooding, avoiding all sorts of problems that customers not even aware because of the information we're able to uncover and respond to in advance.

Putting those three together, affordability to the customer, conservation of water and public safety for the customer and for the utility and its employees, I think there are very few projects that a utility can undertake that are as positive as AMI Smart Metering. I personally as

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a customer of WSSC will be pleased and anxious to receive an AMI Meter and to be able to monitor my own use in the home.

Thank you very much.

MR. BROWN: Thank you. Hi, welcome to WSSC
Water's Public Hearing on Advanced Metering Infrastructure.

If you want to state your name and the county you reside in,
turn down your computer sound, and you have three minutes to
speak. Can you hear me?

MS. ROOKER: Yes. I'm sorry, I'm trying to turn down the sound.

MR. BROWN: Sure. Sure. If you want to state your name and the county you reside in, and again you have three minutes to speak.

MS. ROOKER: Okay. Yes, hi, my name is Mary
Rooker (phonetic sp.), Montgomery County. I'm sharing an
overview of the Green Party's nine identified ECO impacts
for details, see our written testimony. First, the
environmental cost of these new, oh, I'm sorry, I thought I
turned down the computer sound.

First, the environmental cost of these new half a million meters includes mining and may involve rare earth such as neodymium which is produced with child exploitation in the DR Congo.

Second to ship, distribute and install the new meters and remove the old ones requires major amounts,

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excuse me, of energy. Also, how many data collection units will be installed?

Third, disposing of the current half a million meters will result in working meters and iron meter vault lids, entering the waste stream. What firms have submitted estimates for the energy needed to transport and recycle or landfill all this material? And what is the volume and disposal technology?

Fourth, the staff admits that this massive process must be repeated every 8.2 years because these fragile meters wear out at that point. The old meters last 17 to 20 or more years. This is an unconscionable increase in mineral and energy consumption.

Fifth, the composition of metals in the meters will shift. Toxic materials increase the cost of waste disposal or recycling. Circuit boards should still, still use lead, a known neurotoxin, especially for children.

Staff should itemize metals and other materials and certify the sources are sustainable. Manufacturers should provide an independently verified written fiscal and environmental analysis of disposal plans for toxics and for AMI and current meters.

Sixth, the new meters and the neighborhood collection boxes require electricity to run and to broadcast water usage four times a day to WSSC. Half a million meters

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using more energy is not an environmental plus.

Seventh, the radiofrequency of AMI Meters produces harmful cellular and neurological and other effects on human, animal, insect and plant life, reducing their ability to function and survive. The harm to human biology is documented in thousands of scientific articles which we found without much trouble. Staff failed to mention this research.

Eighth, the claim, staff claims major energy savings from no longer driving cars for meter reading, but offers no quantitative calculations and fails to lists options that do not involve driving.

Finally, any responsible decision requires considering all options. So does every environmental impact statement. We see no evidence that alternatives were considered and we conclude that the staff opinion is deeply flawed. The Green Party says AMI Meters are not an environmental benefit. Thank you.

MR. BROWN: Thank you. If you can hear me, welcome to WSSC (indiscernible) we'll go to the next. Hi, welcome to --

MR. KRANTZ: Hello?

MR. BROWN: -- WSSC Water's Public Hearing on
Advanced Metering Infrastructure. If you want to state your
name and the county you reside in, and you have three

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minutes to speak.

MR. KRANTZ: Hi there, my name --

MR. BROWN: Can you hear me?

MR. KRANTZ: Yeah, I can hear you, thank you. name is Adam Krantz (phonetic sp.) I reside in Montgomery County in Olney, Maryland. I'm also the CEO of the National Association of Clean Water Agencies. I have two children and a wife who reside with me, ages 12 and 10 and I just want to state for the record that I think AMI is really the direction that many utilities are heading in. We call it the utility of the future. We're trying to do three things as another gentleman just mentioned in terms of ensuring affordable rates, public safety and conservation. personally wearing my two hats, as an organization know that WSSC has won, that was peak performance awards just this past year for many of their plants. For 10 to 20 years of pure and perfect compliance with all the requirements put on them by the Clean Water Act and that is an incredible record of achievement. I won't go into detail about each plant in that record but it is virtually unmatched across the country. And it's in line with that record of compliance and public safety here we are in the midst of a pandemic. We all feel safe drinking our water, using sanitation. record is, is an incredible one in terms of the public safety record at WSSC and its incredible staff.

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It's my own personal view through my experience with the utility as a customer, that I believe they are dotting every I, crossing every T in terms of ensuring the safety of their community and of their rate payers. I also know their incredible dedication to low income rate payers, a particularly poignant issue during the economic impacts that the pandemic is having and every opportunity to do things more efficiently to save money for the home owner, and also especially in the context of low income rate payers to be able to do things more efficiently and effectively while also having the environmental benefits of decreasing carbon footprint and enhancing conservation.

Finally, the last thing I wanted to say is also knowing the, the staff at WSSC well, their commitment to work force development is also part of their utility of the future mentality, to work within the community that they do being an anchor institution within the community, knowing full well that they will fully take care of any staff consequences that result from AMI in terms of making sure that there is work force development opportunities provided to those staff. So as a, as a customer and also as someone who watches the national scene in terms of where utilities are headed, I think AMI is an amazing example of the direction that many utilities should be going in and have been going in since the mid sort of 2000's. WSSC is there

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now and they should be fully credited with going in this
direction and I appreciate all the work they've done and
look forward to having AMI installed in my own home as well.
Thank you.

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MR. BROWN: Thank you. Hi, welcome to WSSC
Water's Public Hearing on Advanced Metering Infrastructure.

If you want to state your name and the county you reside in, and you have three minutes to speak.

MS. WATTS: Hi, I, my name is Sheila Watts I am a resident of Laurel, P.G. County, and I'm calling in support of the WSSC Water's AMI Project that has been in the Capital Improvements Program for the last five years. I, AMI will allow for the monthly billing in near real time information on my water usage, which I would look forward to. These two things are very important to me.

Water conservation and the early detection of leaks are two important benefits that AMI would bring and I urge you to move forward with the project as soon as possible. Thank you.

UNIDENTIFIED SPEAKER: Because I'm going to take pictures of them.

MR. BROWN: Hi (indiscernible) can you hear me?
UNIDENTIFIED SPEAKER: (Sound.)

MR. BROWN: Hi, and welcome to WSSC Water's Public Hearing on Advanced Metering Infrastructure. If you want to

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state your name and the county you reside in, and you have three minutes to speak.

(No audible response.)

MR. BROWN: Hi, can you hear me?

MS. TALLY: I can. Can you hear me?

MR. BROWN: We sure can.

MS. TALLY: Hi, if you could just give me a second, I have my little testimony but it switched to another screen. Okay. So my name is Penelope Thornton Tally (phonetic sp.), I'm a resident of Prince George's County and I have been a WSSC customer for probably over, gosh, 25 years now for as long as I've been a resident of the county. I wanted to call in and let you know that I support the Advance Metering Infrastructure Project and the benefits that come along with that investigation in that project.

I encourage you to move forward with the project because it would allow for monthly billing and it would provide customers like myself with useful information about water consumption in near real time. That will, will allow us to detect leaks earlier, saving money and water and as you know currently with our status in COVID that's even more important than probably under normal circumstances. Thank you so much, and that's all I had to say.

MR. BROWN: All right. Thank you so much, have a

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good evening.

MS. TALLY: You too. Take care. Bye-bye.

MR. BROWN: Bye. Hi, welcome to WSSC Water's Public Hearing on Advanced Metering Infrastructure. If you want to turn down your computer sound and state your name and the county you reside in, and you have three minutes to speak.

MS. ROSCHER: Good evening, this is Natalie Roscher (phonetic sp.), Montgomery County. I attest and affirm that the following statements are true, accurate and within my personal knowledge. AMI's tremendous benefits to customers quote unquote, come at tremendous costs, financially, economically, physiologically and invasively. It's been stated that AMI implementation will save customers money on their water bill, however, the opposite is true. The amount of rate increases required to pay back the multimillion dollar loans for the AMI Project will guarantee more expensive water bills for everyone. I say multimillion dollar because the current AMI estimates originate from a 2011 study that never accounted for the increases in both the amount of customers served and cost of equipment over the years rendering the current estimate a gross underestimate.

AMI's cost to customers are guarantee higher water bills. AMI Meters are powered by batteries containing

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lithium. Lithium is a valuable mineral yet extremely toxic. It takes approximately 500,000 gallons of water to mine one ton of lithium. According to a report lithium extraction inevitably harms the soil and causes air contamination and when the batteries are not disposed of properly the toxins then leak into the soil, our water and catch on fire. AMI's costs to our environment is destructive. WSSC hired an expert whose report and presentation strategically danced around the significant scientific findings for the images caused by radiofrequency transmissions for Smart Meters. The expert cited that the I-Arch (phonetic sp.) classified radiofrequency radiations possibly carcinogenic to humans yet she purposefully left out that American Cancer Society's conclusion that quote, because RF radiation is a possible carcinogen and Smart Meters give off RF radiation, it is possible that Smart Meters could increase cancer risk, end quote. For those of us fortunate enough not to develop cancer other health effects such as insomnia and cognitive difficulties to name a few are possibilities we may face. AMI's cost to our health is grave sickness.

Earlier privacy issues were addressed. If you listen closely to the video it states that our personal data is encrypted before it is transmitted from the water tank. Not before it leaves the AMI Meter leaves the customer personal usage vulnerable during the first part of the

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transmission phase. That aside WSSC will know every toilet flush, every shower, and every load of laundry washed for each resident. Eventually, they will be able to figure out customers daily routines, when we go out of town, and when we have extra people staying at our house. AMI's cost to our privacy is irreversible.

Once we lose access to affordable water, a clean environment, optimal health and privacy rights, there is no going back. I have presented no matter of mere concern or any other non-substantive matter, but solely matters of substance of fact and law. Thank you. Good night.

MR. BROWN: Thank you. Hi, welcome to WSSC
Water's Public Hearing on Advanced Metering Infrastructure.

If you want to turn down your computer sound and state your name and the county you reside in, and you have three minutes to speak.

MS. STECKLER: Okay, going. Can you hear me?
MR. BROWN: Yes, I can hear you.

MS. STECKLER: Okay. My name is Lena Steckler (phonetic sp.) and I am 15 years old. I live in Montgomery County. I understand that water meters emit radiation several times a minute in pulses. That is a fact.

Apparently, many authorities say more research is needed. There are hundreds of scientists proving these aren't healthy. The science proves harm.

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I do not want my DNA to be damaged. I do not want cancer. I do not want memory problems. I do not want my friends to have these problems. I don't think you want your kids to grow up and suffer from these problems.

If more research is needed, then more research should be done. And even if you think you might not have enough research, isn't it better to play it safe since you have the power to? We are not your guinea pigs. When you are old and all of our generation is getting cancer you will regret not doing what you can to stop this. Right now my parents pay so we don't have a Smart Meter for electricity. They can afford to do this. Most people cannot pay extra. That makes this an environmental justice issue. This is environmental racism. Some people can afford healthy things others cannot.

If you are going to force Smart Meters on people it should be free to opt-out. Of course there should be no fee. Tell the companies who want meters to be wired without radiation, that would solve this problem. I can't believe that you're going to make people pay for moving the meter from inside their house to outside of their houses. There should be no fee to be healthy. You must do this for my generation, not for yours. Thank you.

MR. BROWN: Thank you. Hi and welcome to WSSC Water's Public Hearing on Advanced Metering Infrastructure.

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If you want to state your name and the county you reside in, and you have three minutes to speak.

MS. WALLACE: Thank you. Good evening. I'm Nancy Wallace, Co-Chair of the Montgomery County Green Party. We testified today that AMI Meters do not provide a net environmental benefit and in fact, clearly, in the long run, are almost certainly the most environmentally harmful option for water meters. Contrary to the staff's unsubstantiated claim, and overview of the real elements in a full life cycle analysis of the AMI proposal, shows major environmental harm, including increased climate change.

The details were presented this evening by Mary Rooker, estate coordinating committee member in separate testimony and Natalie Roscher. From your process and management perspective, Commissioners assessing the environmental impact of a major program of any sort is a serious undertaking. The Federal Environmental Policy Act, 50 years old which requires environmental impact statements known as EIS's has an extensive regulatory and case law framework. And an EIS must include all environmental costs, not just of one part, the trucks driving around on the streets and all environmental impacts of reasonable alternative. Maryland also has an Environmental Policy Act which requires an EIS for all major state actions involving funds from the state legislature. WSSC should use the

federal and that Maryland state law as your standard for calculating this AMI environmental impact. This has not been done for the AMI proposal.

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The great irony is that these AMI Meters will not save a single drop of water, nor avert a single leak themselves. They are just a monitoring system of failure. The underlying failure is not addressing the deep systemic problems that cause high fees and breaking pipes. Staff grabbed at a new technology with high paid consultants with the fantasy that it will solve everything instead of doing the hard work of resolving tough longstanding problems. We call upon you Commissioners to take three steps. Tell the staff to stop pursuing AMI now and halt the contract with Arcadis for AMI project management that is trying to railroad this environmentally harmful and dangerous meter technology through your commission.

Two, ask the Inspector General to launch an investigation into the staff's mismanagement of the entire portfolio of responsibilities of WSSC including excessive billing, twice that of Fairfax County, misleading the Commissioners on the AMI issue, fraudulent hiring of a supposedly independent consultant who had in fact accepted tens of thousands of dollars from the wireless industry in a clear conflict of interest, and failure to address the extreme waste of dollars and chemical treatment at Blue

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Plains Sewage Treatment Plant caused by system groundwater intrusion which would not be monitored by these meters at all.

Three, set a hard deadline for the staff to propose concrete steps to reduce our water bills and fix the systemic problems. Require an external audit for the staff's efficiency, transparency and capabilities to fulfill the basic responsibilities of WSSC.

WSSC is basically a failed agency at this point and needs an overhaul and possibly new leadership. The fundamental question tonight is who is, who is in control of the WSSC, you or the staff? You are appointed by the government to oversee the agency and exercise accountability on behalf of us and our children. We ask that you do your job vigorously, confidently and quickly to stop this very dangerous proposal from going a day further. The time to stop the AMI Meters is now. Thank you.

MR. BROWN: Thank you.

MS. SCORATO: Hello, can you hear me?

MR. BROWN: Hi, I can. Welcome to WSSC's Public
Hearing on Advanced Metering Infrastructure. If you want to
state your name --

MS. SCORATO: Great, thank, thank you so much. My name is Theodora Scorato and I am live in Montgomery County and I pay three WSSC Water bills. I wanted to address

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something that I just heard in the presentation. It said that the FDA says that the limit set by the FCC remains acceptable and that you know groups that have thoroughly researched this issue conclude that there's no problem. So I want to break it down with the FDA because this is actually an inaccurate assumption.

While the FDA states that however they have done no review of the effects including impacts to the brain, impacts to sperm and reproduction, impacts to oxidative stress. The only thing they looked at is the issue of cancer and at that, they state that they disagree with the National Toxicology Program findings. So these are sort of two issues. One, they disagree with the National Institutes of Health, National Toxicology Program findings which is quite outrageous, but that's a separate point. But more importantly even if you believe them to true, they have never looked at the issue of brain damage, of which there is a wealth of research, the issue of impact to reproduction and of course the impact to trees, bees, birds and so forth, so it can't really be used.

And also the FDA only did a literature review.

They actually didn't look at what is a safe level. They have not done an evaluation of the different levels, and identified a safe level. Of course there's no safe level of lead and it's, this is looking more to be like lead and as

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you know it took years, years and years to get action on that.

So I wanted to make sure that was put out. want to get on the record that I have sent a letter with many questions to the WSSC and I received some of them and I'm so thankful for that. But I haven't received all the other answers to those questions and I would like to ask that those questions be answered. Because if you don't know the answer to those questions, then you can't go through with this program without having the answer to those questions related to safety and other issues. There is no question that there are hundreds of scientists saying there's a problem and that the people who are in power in various authorities are not doing the right thing right now, and in fact, those people are as was discussed earlier former industry executives. So one has to just take a moment and as you know I mean we know, we know the story here. But I, I thank you so much for taking a look into this. I was actually shocked to see that there is going to be a cost as was mentioned earlier from moving the meter from outside the house because that doesn't seem fair at all. I mean of course it should be a free opt-out not that an opt-out is the right thing, because an opt-out will still force this radiation to be elevated in neighborhoods and people who are not in the know will not be able to address

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this issue because they simply will be unaware and of course, many people can't afford it and don't have time to do the research or even to understand it. And you know it really won't --

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MR. BROWN: Theodora, you've reached the end of your time.

MS. SCORATO: Oh. Thank you so much. Bye-bye.

MR. BROWN: Thank you. Hi, welcome to WSSC
Water's Public Hearing on Advanced Metering Infrastructure.

If you want to state the name and a county you reside in,
and you have three minutes to speak.

MS. PORTER: All right. Hi, my name is Alexis

Porter, I'm a resident of Laurel in P.G. County and I'm

seeking the support of WSSC Water's AMI Project that's been
in the Capital Improvements Program for at least five years.

AMI, AMI will allow for monthly billing and the real time
information on my water usage. Those two things are very
important to me.

Water conservation and the early detection of leaks are two important benefits that AMI will bring and I urge you to move forward with the project as soon as possible. Thank you.

MR. BROWN: Thank you very much. Hi, welcome to WSSC Water's Public Hearing on Advanced Metering Infrastructure. If you want to state your name and the

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county you reside in, and you'll have three minutes to speak.

MS. HOUCK: Hi, my name is Melanie Houck, H-O-U-C-K, I live in Montgomery County. I attest and affirm that the following statements are true, accurate and within my personal knowledge. Commissioners, do not allow WSSC to move forward with Smart Meters. I was shocked by the way the staff presented the issues of Smart Meters at last night's public hearing. They denied all the problems that many members of the public have been raising for years.

They said that there are no health or privacy problems from Smart Meters, that Smart Meters, that meter readers will not lose their jobs and that customers will have to pay opt-out fees for Smart Meters and to have their meters moved outside their house.

By ignoring the public's input, I feel that they have not done their job in an ethical or professional manner. I plan to file a complaint with the Inspector General and the Ethics Board.

Many consumers, consumer organizations and regulators have opposed utility Smart Meters for years. I and several other people testified about the cost and health problems caused by them last year and this year. There is six reasons why I'm opposed to Smart Meters. First, public utilities should work for the public and should present the

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pros and cons of any new technique before taking a position on it. WSSC has not done that. It is clear that the staff wants to buy AMI Smart Meters and they're trying to persuade the Commissioners to approve them. It looks as though the staff only listens to the industry and ignores consumers.

Second, both last year and this year several people testified about the health effects of Smart Meters.

WSSC's response was to hire ashil (phonetic sp.) to present a biased health study in February of this year who said there are no health effects from Smart Meters. Ashil is a person with expert credentials who purports to present scientific reasons but is actually paid by the industry. I lost all respect for the WSSC staff when they did that.

WSSC should now have a health study done by a reputable scientist showing the many serious health effects of Smart Meters.

Third, the staff is pushing AMI Smart Meters even though they're a poor investment. They put the 86 million cost to Smart Meters into the CIP nine years ago, 2011, but the Commissioners have never voted on it. They'll take their first vote in November of this year. The estimate is nine years old so the actual cost will surely be much higher.

Fourth, the staff hasn't demonstrated the Smart Meters are cost effective. Smart Meters are an excessive

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and unnecessary cost and AMI Smart Meters are much more expensive than AMR Smart Meters. At least five state regulatory commissions, Baltimore County and Fairfax Water have rejected utility smart, utility meters because they're not cost effective. Fairfax Water rates are half those of WSSC. The AARP has been warning its members for years about the high cost of utility Smart Meters. As a consumer, I'd like you to ostracize the most cost effective approach which would be in keeping analog meters, so --

MR. BROWN: Ms. Houck, you've reached the end of your time. You want to summarize real quick?

MS. HOUCK: Okay. Arcadis was hired, their specialty is Smart Meters, that's another indication that WSSC is stacking the deck. And finally, it's it's a bad idea to authorize unnecessary and controversial expenses through a pandemic while businesses are failing left and right.

Commissioners, vote against Smart Meters. I have presented no matter of mere concern or any other non-substantive matter but solely matters of substance, of fact and law.

MR. BROWN: Thank you. I'd like to thank everybody for calling in at tonight's public hearing.

Additional comments for consideration may be submitted in writing to the WSSC Water Communications and Community

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1	Relations Office at 14501 Sweitzer Lane, Laurel, Maryland
2	20707, or e-mailed to AMI Project at wsscwater.com by noon
3	on October 12th. Thank you again for taking the time
4	tonight to participate in this public hearing on AMI. This
5	meeting is now adjourned.
6	(Whereupon, the hearing was concluded.)
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Digitally signed by Diane Wilson

## ELECTRONIC CERTIFICATE

DEPOSITION SERVICES, INC., hereby certifies that the attached pages represent an accurate transcript of the electronic sound recording of the proceedings before the Washington Suburban Sanitary Commission in the matter of:

AMI PUBLIC HEARING

By:

waie Weson

Diane Wilson, Transcriber