In the Matter of:

MISSOURI-AMERICAN WATER COMPANY'S APPLICATION FOR A CERTIFICATE, etc.

SA-2021-0017, VOL. II

April 08, 2021



www.tigercr.com 573.999.2662

```
1
                   BEFORE THE PUBLIC SERVICE COMMISSION
 2
                             STATE OF MISSOURI
 3
                         TRANSCRIPT OF PROCEEDINGS
 5
                            Evidentiary Hearing
                               April 8, 2021
 6
 7
                    Jefferson City, Missouri via WebEx
                                 Volume 2
 8
 9
     In The Matter Of Missouri-American
10
     Water Company's Application for a
     Certificate of Convenience and
                                          ) File No. SA-2021-0017
11
     Necessity Authorizing it to Install, )
     Own, Acquire, Construct, Operate,
12
     Control, Manage and Maintain a Sewer )
     System in and around the City of)
13
     Hallsville, Missouri
                                           )
14
                                JANA JACOBS, Presiding
                                      REGULATORY LAW JUDGE.
15
                                RYAN A. SILVEY,
16
                                      Chairman,
17
                                WILLIAM P. KENNEY,
                                SCOTT T. RUPP,
18
                                MAIDA J. COLEMAN,
                                JASON R. HOLSMAN,
19
                                      Commissioners.
20
21
22
23
     REPORTED BY:
     Lisa M. Banks, CCR
24
     TIGER COURT REPORTING, LLC
25
```

1	APPEARANCES
2	DEAN COOPER, Attorney at Law JENNIFER HERNANDEZ, Attorney at Law
3	Brydon, Swearengen & England 312 E. Capitol
4	P.O. Box 456 Jefferson City, Missouri 65102
5	Dcooper@brydonlaw.com Jhernandez@brydonlaw.com
6	FOR: Missouri-American Water Company
7	TIMOTHY LUFT, Attorney at Law 727 Craig Road
8	St. Louis, Missouri 63141 Timothy.Luft@amwater.com
9	FOR: Missouri-American Water Company
10	JENNIFER GRIFFIN, Attorney at Law Lathrop GPM
11	314 E. High Street Jefferson City, Missouri 65101
12	Jennifer.Griffin@latrhropgpm.com FOR: Boone County Regional Sewer District
13	
14	TRAVIS PRINGLE, Legal Counsel MARK JOHNSON, Legal Counsel
15	Governor Office Building 200 Madison Street, Suite 800
16	P.O. Box 360 Jefferson City, Missouri 65102-0360 Travis.Pringle@psc.mo.gov
17	Mark.Johnson@psc.mo.gov
18	FOR: Staff Of Missouri Public Service Commission
19	NATHAN WILLIAMS, Legal Counsel Governor Office Building
20	200 Madison Street, Suite 650 Jefferson City, Missouri 65102
21	Nathan.Williams@opc.mo.gov FOR: Office of the Public Counsel
22	
23	
24	
25	

P	R	0	С	\mathbf{E}	Ε	D	Ι	Ν	G	S
---	---	---	---	--------------	---	---	---	---	---	---

2.5

JUDGE JACOBS: We are now on the record. Good morning. Today is April 8th, 2021. The time is now 8:15 a.m. The Commission has set this time aside for an evidentiary hearing in Case Number SA-2021-0017, which is the matter of Missouri-American Water Company's Application for a Certificate of Convenience and Necessity Authorizing it to Install, Own, Acquire, Construct, Operate, Control, Manage and Maintain a Sewer System in and around the City of Hallsville, Missouri.

My name is Jana Jacobs, and I'm the regulatory law judge assigned to this case. As you know, the members of the commission are Chairman Ryan Silvey, who is present with us today, Commissioner William Kenney, Commissioner Scott Rupp, Commissioner Maida Coleman, who is also present with us today, Commissioner Jason -- and Commissioner Jason Holsman.

If any of the other commissioners join us at any point today, or if commissioners have to leave briefly and then return, I would just ask if you would all feel free to just speak up and let me know and let all of us know when you're present, so that I can give you an opportunity to ask any questions you want and acknowledge your presence here today with us.

Okay. So we will get started first with entries of appearance. If your current contact information is already included with your appearance in this case, you don't need to

```
repeat all of that now. I'll leave that up to you. Please
 1
 2
     identify all counsel present today and the party that you're
 3
     representing.
                      So if you could just go ahead, Missouri-American
 5
     Water, please.
 6
                      MR. COOPER: Yes, Judge. Thank you. Dean
 7
     Cooper and Jennifer Hernandez from the law firm of Brydon,
 8
     Swearengen & England, P.C. Our address is on record with the
 9
     Commission, appearing for Missouri-American Water Company. Also
10
     appearing for Missouri-American Water Company is Mr. Timothy
11
     Luft of Missouri-American Water Company, and his address is also
12
     on record with the Commission. Thank you.
13
                      JUDGE JACOBS: Thank you very much, Mr. Cooper.
14
                      And I see Mr. Luft. I haven't seen
15
    Ms. Hernandez yet this morning, but it might be another screen I
16
    need to click to. Okay.
17
                     MR. COOPER: I believe -- yeah, I believe she is
18
     on the line.
19
                      JUDGE JACOBS: Okay. I see. Thank you very
20
     much. I see her now.
21
                      MS. HERNANDEZ: I'm here, Judge. Thank you.
                      JUDGE JACOBS: Thank you, Ms. Hernandez.
22
23
                      Okay. And now we can move on to appearances for
24
     Staff, please.
25
                      MR. PRINGLE:
                                    Yes.
                                         Thank you, Judge.
                                                            Good
```

```
Travis Pringle with Mark Johnson on behalf of Staff.
1
    morning.
 2
    Our contact information is also already in the record.
 3
                      JUDGE JACOBS: Okay. Thank you very much. I
 4
    see both of you here this morning. We can now proceed to Office
 5
    of the Public Counsel, please.
 6
                      MR. WILLIAMS: Nathan Williams appearing on
 7
    behalf of the Office of the Public Counsel and the Public, P.O.
 8
    Box 2230 Jefferson City, Missouri 65102.
9
                      JUDGE JACOBS: Thank you very much,
    Mr. Williams.
10
11
                      And now for Boone County Regional Sewer
12
    District, please.
13
                      MS. GRIFFIN: Yes, thank you, Judge. Jennifer
14
    Griffin with Lathrop GPM appearing on behalf of the Boone County
15
    Regional Sewer District.
16
                      JUDGE JACOBS:
                                     Thank you so much.
17
                      All right. So we can get started now.
18
    hearing is being conducted via video and telephone conference.
19
    For the convenience of those who do not need to directly
20
    participate in the hearing before the Commission today, the
21
    hearing is also being streamed on the Commission's website,
22
    which is at psc.mo.gov. Any nonpublic matters will not be
23
    streamed, and I will rely on counsel to alert me to help me
     insure that confidentiality is preserved today.
24
2.5
                      Please silence your line unless you are
```

speaking. Among counsel who are appearing by video today, I would ask that you remain present. Although, obviously, for privacy purposes you need to briefly terminate your video, I understand that. And also, Mr. Williams has mentioned that he might have a connection problem today. If anybody starts having trouble with their video or audio connection, it's often helpful just to cut the video for that purpose. So please feel free to do so, if that is going to help us have a better connection today.

Any witnesses who will appear by video today, need only remain visible by video during their testimony, and I actually prefer if those folks don't leave their video on the whole time because it is hard for me to distinguish among the many faces when I have folks that I can see, who are not actually witnesses. They may not, of course, apply to commissioners. I will leave it totally up to commissioners about whether they want to remain on video or not. If you feel like that is going to help you communicate with me, please feel free to do so.

All right. And then I will also ask that witnesses remain available for recall for the duration of the hearing. So even after they've given their testimony and they've been excused from the stand, it's possible that we might need to recall them. We are trying to make sure we get this all done as efficiently as possible in one day. So, hopefully, your

witnesses can accommodate that. If that is a problem for any of 2 your witnesses, please let me know. All right. The chat function in this WebEx 3 software is public, and it is displayed to all participants who 4 are connected to the videoconference. It is not private, and 5 6 the chat is not part of the official record of this case. 7 We will try to take breaks about every 90 8 minutes, and I'll look for a good opportunity to break for lunch 9 sometime after 11:30, depending how things are going. Please speak up if you need a break before that time for some reason. 10 11 All right. The parties have exchanged exhibit 12 lists and have identified proposed exhibits, including any exhibits that were already filed in this case in the 13 14 Commission's filing system. Does anyone have any remaining 15 questions or concerns regarding any exhibits at this time? 16 I know there were some amendments to exhibit 17 lists. I didn't have a problem with those. Does anyone have 18 any concerns that we should talk about before we get started? 19 I do not see any lawyers who want to speak up 20 and say anything and no one has said anything. So I think I'm 21 safely -- can conclude that you guys do not have anything to add 22 here. So we're going to follow the order of opening statements, 23 order of witnesses and order of cross-examination proposed by 24 the parties and the joint issues list that was filed in this 25 case. That proposal was filed on March 22nd, and it didn't

```
include a formal opportunity for the Office of the Public
 1
 2
     Counsel to question witnesses, and I haven't had an opportunity
     to ask Mr. Williams if that is something that OPC anticipates
 3
     doing today. So I will ask now.
 4
                      Mr. Williams, did you have any concerns about
 5
 6
     the fact that parties have essentially proposed
 7
     cross-examination that doesn't formally include OPC? Do you
 8
     want me to give you an opportunity or can we just allow you to
 9
     speak up?
10
                      MR. WILLIAMS: You can just allow me to speak up
11
     if I choose to, but I am anticipating no cross.
12
                      JUDGE JACOBS: Okay. Thank you very much.
13
                      Okay. So those were all the preliminaries that
14
     I wanted to cover. Do any of the parties have any additional
15
     matters that they would like to address before we proceed to
16
     opening statements this morning?
17
                      MR. WILLIAMS: Judge, this is Public counsel.
18
    will waive opening now.
19
                      JUDGE JACOBS: Okay. Thank you. I appreciate
20
     you clarifying that. Just give me one second to send a message
21
     and then we will get started with opening.
22
                      Okay. I apologize for that little delay, but I
23
     just have to make sure everything is all right and people know
24
     what is going on. So now we are ready to move on to opening
2.5
     statements, and we will begin with Missouri-American.
```

MR. COOPER: Thank you, Judge. This hearing is the most recent step in Missouri-American's effort to purchase the Hallsville sewer system. On August 26th of 2019, the Hallsville Board of Alderman passed Ordinance Number 370, which was styled, An ordinance calling for an election in the City of Hallsville, Missouri, to be held on November 5th of 2019, for the purpose of submitting to the qualified voters of the city, a proposition to sell certain assets associated with the city's wastewater system to Missouri-American Water Company.

Section 2 of that ordinance provided that if a majority of the votes cast on the question by the qualified voters voting thereon are in favor of the question, then the City may negotiate a contract with Missouri-American Water for a price of not less than \$2 million cash and a capital commitment of \$3,300,000 over five years, including terms that provide for future service, maintenance, capital improvements, and other terms and conditions. The election was held on November 5th of 2019, and a majority of votes were cast in favor of the proposition.

On July 14th of 2020, Missouri-American entered into a purchase agreement with the City of Hallsville. It has been provided in this -- in this case. Missouri-American requests in this case a Certificate of Convenience and Necessity to provide sewer service within the identified service area utilizing the Hallsville system. The Commission may grant a

sewer corporation a CCN to operate after determining that the construction and/or operation are either necessary or convenient for the public service.

2.5

There are currently violations of Hallsville's operating permit that result in discharges that eventually enter waters of the state in violation of the Missouri Clean Water Law as well as other compliance problems. As a result of the numerous compliance issues documented over the years by the Missouri Department of Natural Resources, the Hallsville facility is under enforcement with MDNR's water protection enforcement section.

The Commission has articulated criteria to be used when evaluating applications for utilities Certificates of Convenience and Necessity, it is sometimes called the Tartan factors.

Those factors are as follows: One, there must be a need for the service; two, the applicant must be qualified to provide the proposed service; three, the applicant must have the financial ability to provide the service; four, the applicant's proposal must be economically feasible; and five, the service must promote the public interest.

There is a need for the service in this case, as residents currently make use of the existing sewer system and there are no compliance violations that must be addressed.

Missouri-American is qualified to provide this service as it

TIGER COURT REPORTING, LLC WWW.TIGERCR.COM 573.999.2662

already provides safe, adequate, and compliant water service to over 470,000 Missouri customers and sewage service to over 15,000 Missouri customers. Missouri-American has the financial ability to provide and improve the service. Missouri-American's feasibility study indicates that the purchase of the city sewer assets will not generate positive income in the initial years; however, Missouri-American's financial standing is such that this situation will not impact its ability to provide safe and adequate service, and there's likely to be no impact from this transaction on Missouri-American's general population of ratepayers.

Further, Missouri-American possesses adequate tactical, managerial and financial capacity to operate and improve the sewer system it wishes to purchase from the City. The Commission has indicated in the past that positive findings with respect to the other four Tartan factors will in most instances support a finding that the application for a CCN will promote the public interest. The factors for granting a Certificate of Convenience and Necessity to Missouri-American in this case has been satisfied and it is in the public's interest for Missouri-American to provide sewer service to the customers currently served by the City of Hallsville as called for by the actions of the Board of Aldermen and the vote of the people.

There is a further question as to what conditions, if any, the Commission should impose in conjunction

with any CCN it may grant in this case. Missouri-American 1 2 agrees that the Commission should authorize the transfer of assets and grant Missouri-American the CCN to provide sewer 3 service within the proposed service area subject to the 4 5 conditions proposed by Staff. 6 The Boone County Regional Sewer District 7 proposes five additional conditions in its statement of 8 position. Missouri-American does not object to the District's 9 proposed Conditions 1 and 2; however, Missouri-American would 10 object to the District's Conditions 3, 4, and 5. 11 District Condition 3 would grant, essentially, 12 the District veto power in regard to any plans to address the 13 system's capacity and compliance issues for an indefinite period 14 of time. DNR already exists for the purposes -- purpose of 15 regulating those issues. District Condition 4 would mandate a certain 16 17 treatment process for Hallsville, again, without regard to the 18 decisions of the entity responsible for such issues, that being 19 DNR. 20 And District Condition 5 would require ownership 21 of certain land where other treatment options might be 22 acceptable. Again, there's no need for the Commission to get into regulation of what type of treatment should be used when 23 24 that is ultimately a DNR matter.

Lastly, the District argues that there should be

25

an issue in this case as to certain DNR regulations concerning continuing authority and DNR permits. The term continuing authority means the permanent entity that will be responsible for the operation, maintenance, and modernization of the sewage systems for which the permit application is being to DNR. The District argues that it is a Level 2 continuing authority within the incorporated City of Hallsville and over the sewer system owned by the City. Missouri-American believes that is not the case based upon the actions of the Clean Water Commission -- previous actions of the Clean Water Commission. But even if DNR were to find that the District is a Level 2 authority regarding the Hallsville systems, there are exceptions to the continuing authority hierarchy that allow a lower authority to operate a system.

At the end of the day, the Commission need not resolve this continuing authority issue. This issue concerns DNR regulations associated with permitting. It should be resolved by DNR. A grant of a CCN by this Commission is the next step in bringing that issue before the Missouri Department of Natural Resources.

Judge, the Commission should grant
Missouri-American a Certificate of Convenience and Necessity to
provide sewer service within the proposed service area subject
to the conditions described by Staff. And that's all that I
have at this time.

1	JUDGE JACOBS: Thank you very much, Mr. Cooper.
2	I had contemplated that we would have questions
3	for counsel after all opening statements have been made, but I
4	understand that Chairman Silvey needs to leave this morning for
5	important meetings at the Capitol at 9:00. And so I just wanted
6	to give Chairman Silvey an opportunity to ask
7	Missouri-American's counsel any questions he might have at this
8	time, in case he would like to.
9	COMMISSIONER SILVEY: I appreciate that, Judge.
10	I have no questions at this time.
11	JUDGE JACOBS: Okay. So I think what I will do
12	then is probably looks like we have Commissioner Rupp joining
13	us. So I think I'll just proceed, then, and we'll take an
14	opening statement from Staff, and then I will open the floor to
15	questions.
16	COMMISSIONER HOLSMAN: Judge
17	JUDGE JACOBS: I'm sorry Commissioner
18	Holsman?
19	COMMISSIONER HOLSMAN: Judge, this is
20	Commissioner Holsman. Yeah. I just have one real quick
21	question.
22	JUDGE JACOBS: Please, go ahead, sir.
23	COMMISSIONER HOLSMAN: What was the vote count.
24	You said that the vote had passed in 2019? I'm just curious of
25	what the what the end result was of that count.

1	MR. COOPER: Judge, I don't have that or I'm
2	sorry, Commissioner, I don't have those numbers right in front
3	of me, but I will I will grab those and get those to you
4	during the course of the hearing, if that would be okay.
5	COMMISSIONER HOLSMAN: Okay. Thank you very
6	much. No further questions.
7	JUDGE JACOBS: And I don't recall seeing
8	information about that, though, offered by any party up to this
9	point, in this case, unless I happen to miss that fact. I don't
10	think it is any information that has been offered at this time
11	unless I've overlooked it.
12	MR. LUFT: It may be in the application.
13	COMMISSIONER HOLSMAN: It was just more of a
14	more of a curiosity. I was just interested to see what the
15	public support was for the proposal.
16	JUDGE JACOBS: Okay. The court reporter may
17	have trouble with folks speaking up without us knowing who they
18	were. There was someone who just said, It may have been in
19	application. Who was that person?
20	MR. COOPER: That was Mr. Luft, Judge.
21	JUDGE JACOBS: Okay. Thank you, sir.
22	Mr. Luft, if you have anything to add there, you
23	can go ahead and finish your statement.
24	MR. LUFT: I think that's in our application. I
25	will check and then update that that's in there.

```
JUDGE JACOBS: The actual vote tally is
1
 2
    something you think was in the application?
 3
                      MR. LUFT: Typically, we put that in there.
    will double check.
 4
 5
                      JUDGE JACOBS: Okay. Thank you.
 6
                      MR. PRINGLE: I have the numbers, Judge, if
 7
    Commissioner Holsman would like to hear them.
 8
                      JUDGE JACOBS: Okay. Please, proceed,
9
    Mr. Pringle.
                      MR. PRINGLE: The vote was 136 to 64 in favor.
10
11
    So 68 percent of the vote was in favor.
12
                      COMMISSIONER HOLSMAN: Thank you very much.
13
                      JUDGE JACOBS: Mr. Pringle, did you locate that
     in some documents that are, in fact, in the case file in this
14
15
    case?
16
                      MR. PRINGLE: It is on the -- in the
17
    application, I believe.
18
                      JUDGE JACOBS: Okay. Thank you. I overlooked
19
           Is it an attachment or it's simply recited in the
20
    application as a fact?
21
                      MR. PRINGLE: It's cited in the application, I
22
    believe. I think it may also be in Mayor Carter's testimony as
23
    well.
24
                      JUDGE JACOBS: Okay. Perhaps Mayor Carter's
25
    testimony today will give us a chance to revisit that.
```

1	MR. PRINGLE: Okay.
2	JUDGE JACOBS: Were there any additional
3	questions that came out of Mr. Cooper's opening statement?
4	Okay. I believe that we were ready, then, to
5	proceed to opening statement from Staff, please.
6	MR. PRINGLE: Thank you, Judge. May it please
7	the Commission. My name is Travis Pringle and together with
8	Mark Johnson, we represent the staff of the Missouri Public
9	Service Commission. I am here today to explain what is
10	necessary or convenient for the Public Service. I'm here to
11	explain Staff recommendation to approve the Missouri-American
12	Water Company's request for a Certificate of Convenience and
13	Necessity. I'm also here to help you understand the process
14	that led to Staff's recommendation.
15	The Commission has jurisdiction over
16	applications for Certificates of Convenience and Necessity, or
17	CCNs, under Section 393.170 RSMo. Under the CCN statute, the
18	Commission may approve a CCN application if it is found to meet
19	the standard of necessary or convenient for the public service.
20	Under statute, there is no specific criteria as to when a CCN is
21	necessary or convenient for the public service. Now, while
22	guidance has not been laid out under statute, the Commission has
23	tools to refer to in helping it reach the decision as to whether
24	application is necessary or convenient for the public service.
25	The Commission has issued its own rule through

20 CSR 4240-3.305, outlining the filing requirements of every CCN application for sewer service. This is in addition to the blanket application rule, found in 20 CSR 4240-2.060. These rules can act as a guide map in helping the Commission determine if an application is complete and sufficient. The Commission may also look to the courts for guidance as to what would be necessary or convenient for the public service.

At Intercon Gas, the court has stated that necessity does not mean essential or absolutely indispensable. Rather, necessity refers to an additional service which would be an improvement justifying its cost. To quote Missouri Coach Lines, any improvement which is highly important to the public convenience and desirable for the public welfare may be regarded as necessary. If it is of sufficient importance to warrant the expense of making it, it is a public necessity, end quote.

Intercon Gas further holds that the decision of whether the evidence indicates that public interest would be served and need award of the certification falls within the discretion of this Commission.

This necessary or convenient for the public service standard is applied in every CCN application that comes before the Commission, and it is a standard that Staff concludes has been met by Missouri-American Water. When applying for a CCN, the burden of establishing an application is necessary or convenient for the public service rests on the applying party.

In this case, that burden rests on the Missouri-American Water Company.

The Commission determines if Missouri-American Water has carried this burden if the preponderance of the evidence shows so. By that, I mean the greater weight of the evidence leans toward the party having to carry this burden.

Missouri-American Water applied for a CCN to install, own, acquire, construct, operate, control, manage, and maintain a sewer system in and around the City of Hallsville, Missouri on July 20, 2020. This application was the result of public meetings, a vote by the people of the City of Hallsville, and the signing of a purchase agreement dated July 14, 2020, between the city's elected officials and Missouri-American Water to sell the sewer system.

On July 23, 2020, the Commission ordered Staff to begin its review and investigation. Staff reviewed the application to insure the applying utility complies with the requirements of 20 CSR 4240-2.060 and 3.305. This is the standard process employed by Staff in compliance with the rules through their requirement for a utility seeking a CCN before the Commission. Further used for staff and investigating the utility's application for a CCN, especially when as today, the CCN is to acquire an already existing system, is reviewing the applicant's technical, managerial, and financial capabilities to run the system. This is known as TMNF.

1	TMNF capacity helps lead sustainable systems.
2	For example, technical capabilities referred to an applicant's
3	capacity to meet the engineering and structural integrity
4	requirements to serve the needs of its customers. Managerial
5	capabilities refer to the applicant's managerial capacity to
6	properly manage the system. And the financial capabilities
7	refer to an applicant's ability to raise and properly manage the
8	money required to operate a system over the long-term. It is
9	recommendation to approve, Staff concluded that
10	Missouri-American Water Company exhibits the necessary TMNF
11	capacity to provide service necessary or convenient for the City
12	of Hallsville.
13	Staff also employed the Tartan criteria to
14	ensure that a utility is qualified to provide service. These
15	criteria are one, there must be a need for the service; two, the
16	applicant must be qualified to provide the proposed service;
17	three, the applicant must have the financial ability to provide
18	the service; four, the applicant's proposal must be economically
19	feasible; and five, the service must promote the public
20	interest.
21	Over the course of Staff's investigation, Staff
22	conclude that Missouri-American Water Company meets the Tartan
23	criteria. Having concluded this review for the CCN process as
24	outlined under statute and under Commission rules, Staff
25	concluded that the granting of the CCN to Missouri-American

1	Water to install, own, acquire, construct, operate, control,
2	manage, and maintain a sewer system in and around the City of
3	Hallsville is necessary and convenient for the public service.
4	That being said, Staff also included 18
5	conditions that recommended the Commission include in an order
6	granting Missouri-American Water's application.
7	Missouri-American Water agreed to all 18 conditions outlined by
8	Staff, and its response to Staff recommendation filed on
9	December 4, 2020. In its position statement, filed on March 24,
10	2021, the District also expressed its agreement with Staff's
11	conditions, if the Commission were to grant Missouri-American
12	Water's application.
13	Today you'll hear from Staff witnesses Jim
14	Busch, Jarrod Robertson, Matthew Young, and Daronn Williams. I
15	implore you to ask them questions. Ask them how Staff
16	investigated and reviewed Missouri-American Water's application.
17	Ask them how Staff determined Missouri-American Water's
18	application is convenient or necessary for the public service.
19	Ask them how Missouri-American Water exhibited the requisite
20	TMNF capacities and met the Tartan criteria. They are here to
21	provide you information and aid in your understanding of Staff's
22	recommendation in this matter.
23	And I do want to make a note about a term you
24	may hear a lot about today, and that is continuing authority.
25	Continuing authority is outlined under the Department of Natural

1	Resources rules, specifically 10 CSR 20-6.010(2). Continuing
2	authority can play a factor in the Department of Natural
3	Resources issuing of an operating permit, which
4	Missouri-American water would need before it can operate the
5	Hallsville sewer system. The district put forward its Level 2
6	continuing authority as a reason for the Commission to deny
7	Missouri-American Water's application because it is a Level 2I
8	continuing authority, lower than the District. The District has
9	put forward that awarding Missouri-American Water a CCN in this
10	case would assert their long-term planning authority and rights
11	to decide how best to achieve realization within Boone County.
12	Continuing authority is not something that is
13	determined by this Commission. It is a determination made by
14	the Missouri Department of Natural Resources. The Department of
15	Natural Resources issues and assigns continuing authority
16	levels, not this Commission. The Department of Natural
17	Resources grants waivers regarding continuing authority per DNR
18	Rule 10 CSR 20-6.010(2)(C), not this Commission. There is no
19	mention of continuing authority in the Commission's rules or
20	founding statutes. The Commission has no jurisdiction over
21	continuing authority.
22	In fact, the Department of Natural Resources
23	Rule 10 CSR 20-6.010(2)(B)(3), outlines that the only way that
24	Missouri-American Water can apply for an operating permit as a
25	Level 2I continuing authority is to first receive a CCN from

this Commission. As I stated earlier, continuing authority is 1 2 but one factor that the DNR reviews in determining if an applicant is to be granted an operating permit. This is a 3 process that happens every time the Commission grants a CCN 4 5 sewer -- a CCN for sewer service. Having intervention by the 6 District in this master does not change that process. 7 It's the Staff's opinion, the law clearly states 8 the issue of continuing authority is to be decided by the 9 Department of Natural Resources. The Commission is here to determine if the award of a CCN to Missouri-American Water is 10 necessary or convenient for the public service. The continuing 11 12 authority rules, as laid out by DNR, do not dictate to this 13 Commission what is necessary and convenient to the public 14 service. It is clear that Missouri-American Water will have to, 15 when applying for an operating permit, deal with this issue. 16 But that issue is to be decided by the Department of Natural 17 Resources, not this Commission. And in deciding what is 18 necessary and convenient for the public service is an issue to 19 be decided by this Commission, not the Department of Natural 20 Resources. 21 Staff does not deny the District having clear 22 interest in who owns and operates the Hallsville sewer system. 23 Staff reviewed the documents submitted by the District with an 24 intervention including its long-term plans in greater 2.5 jurisdiction for its higher level continuing authority.

considered the impact of the District's interest on 1 2 Missouri-American Water's application. It should be stated, however, that the District had an opportunity to acquire the 3 system before today. The City of Hallsville asked interested 4 5 parties to submit bids to by the sewer system no later than 6 November 1, 2019. The City received bids from Missouri-American 7 Water, the District, and Liberty Utilities. The people of 8 Hallsville then approved by vote to move forward in selling its 9 sewer system during the November 5, 2019 election. All three interested parties were then invited to present their proposals 10 11 before the Board of Aldermen on January 22, 2020. The elected 12 officials reviewed the bids, and in the end, they chose 13 Missouri-American Water. 14 By sticking to the process outlined by the 15 General Assembly via Section 393.170, and the rule embraced by 16 this Commission under 20 CSR 2240-2.060 and 3.305, as well as 17 taking into account all of the evidence submitted, Staff 18 concludes that Missouri-American Water's application to install, 19 own, acquire, construct, operate, control, manage and maintain a 20 sewer system in and around the City of Hallsville is by a 21 preponderance of the evidence necessary or convenient public 22 service. 23 And I have nothing further. Thank you. 24 JUDGE JACOBS: Thank you very much, Mr. Pringle. 25 I think it would be appropriate to proceed now

to the District's opening, and then we'll take any questions for Staff at the District after that.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

2.5

MS. GRIFFIN: Thank you, Judge. Good morning. This case involves an unusual fact pattern. Missouri-American is a privately owned provider of wastewater services. It seeks a Certificate of Convenience and Necessity to enable it to acquire and privatize Hallsville's public municipal wastewater system. The Hallsville system is undisputedly located within the boundaries of the Boone County Regional Sewer District and serves customers in and around Hallsville, including customers of the District. The District is a public sewer district formed by a vote of the citizens of Boone County. By statute, Section 204.290, it is a political subdivision of the state. The District's voter-approved boundaries are those of all of Boone County. The District has long-term planning powers within Boone County under Chapter 204 of the Missouri Revised Statute, state regulation, its regulation, and its approval by the Missouri Clean Water Commission as a Level 2 continuing authority.

For decades now, the District has exercised this authority in Boone County with a mission to eliminate discharges of wastewater to waters of the state in Boone County for the protection of the environment and the public health. It has done so by developing an area-wide management plan consisting of facility plan for different areas of Boone County. The District has a facility plan that includes the Hallsville's service area.

Under state law and the District sanitary sewer regulation, the City of Hallsville is authorized to own and operate a municipal wastewater system that is exempt from regulation by the jurisdiction. Missouri-American, however, is not. By regulation, if Hallsville no longer wishes to own and operate its system, it must tender the system to the District. Hallsville does not have the option to sell the system to Missouri-American, and Missouri-American does not have the option to purchase the system unless the District is unwilling or unable to own and operate it, and gives consent to privatization by Missouri-American.

In addition, under the District's regulations and Level 2 continuing authority approval, the Missouri Department of Natural Resources lacks authority to issue Missouri-American a state operating permit for the Hallsville system because Missouri-American's privatization of the system would conflict with the District's regulations in approved area-wide management plan for Boone County, whereas here, the District has indicated that it is willing and able to own and operate the system and that it objects to privatization.

In order to grant Missouri-American's request for a Certificate of Convenience and Necessity, the Commission must find that the fifth Tartan factor is met. And that factor has been referenced already by counsel. It is promoting the public interest. The CCN must promote the public interest in

order for it to be issued to Missouri-American. The unique 1 2 facts here do not support a finding that granting Missouri-American a Certificate of Convenience and Necessity 3 promotes the public interest because its privatization would be 4 5 facilitated by the grant of such a CCN and is contrary to the public interest because it interferes with the District's 6 7 exercise of its authority and will result in the District and 8 Missouri-American expending resources in DNR permit litigation 9 that are better used protecting the environment and public 10 health. 11 Accordingly, this Commission should find that 12 Missouri-American does not meet all of the necessary criteria 13 for the requested CCN and deny Missouri-American's request. 14 Alternatively, should the Commission consider 15 issuing the requested CCN, the District submits and requests 16 that the Commission needs to impose reasonable conditions to mitigate the conflict between Missouri-American's privatization 17 18 of Hallsville's system and the District's area-wide plan. 19 conditions are outlined in the District's position statement and 20 are as follows: One, limit Missouri-American service area to the 21 22 Hallsville city limits, specifically excluding any areas outside 23 of the city limits other than those where the current storage 24 basins and land application fields are located absent a valid 25 contract between Missouri-American and the District.

1	Two, require Missouri-American to obtain an
2	operating permit from DNR within two years of the effective date
3	of the CCN.
4	Three, require Missouri-American to obtain the
5	District's consent for any plan to address the Hallsville
6	system's capacity and compliance issues prior to submitting
7	applications for permits to DNR.
8	Four, prohibit Missouri-American from submitting
9	applications for construction or operating permits to DNR that
LO	seek approval to convert the Hallsville's system to make
11	no-discharge facility to a discharge facility.
L2	And, five, require Missouri America in any plan
L3	involving an irrigation system to own any land used for land
L4	application of wastewater flow collected by the Hallsville
L5	system.
L6	In conclusion, the District respectfully
L7	requests the Commission to deny Missouri-American's request for
L8	a CCN. Thank you.
L9	JUDGE JACOBS: Thank you very much, Ms. Griffin.
20	So we can proceed now to any questions from
21	commissioners for Staff counsel or for the counsel for the
22	District. Any commissioners, if you have any questions please
23	just speak up.
24	COMMISSIONER HOLSMAN: No questions, Judge.
25	Thank you.

1	CHAIRMAN SILVEY: Thank you, Judge. This is
2	Commissioner Silvey. Do DNR's regulations require a sewer
3	system to get a CCN from the PSC first?
4	MR. PRINGLE: Good morning, Chairman Silvey.
5	This is Travis Pringle from Staff. Yes. There is a in the
6	DNR regulations MAWC Level 2I continuing authority. They do
7	need the CCN from us first before they can apply for an
8	operating permit.
9	CHAIRMAN SILVEY: Okay. So then would that mean
10	that DNR will only consider the application of a system that has
11	a CCN?
12	MR. PRINGLE: Correct. If MAWC were not to
13	receive a CCN from this Commission, they can't move forward to
14	apply for an operating permit.
15	CHAIRMAN SILVEY: Okay. Thank you.
16	JUDGE JACOBS: And it sounded like Commissioner
17	Holsman indicated he did not have any questions. And I believe
18	we have Commissioner Coleman and Commissioner Rupp with us as
19	well. I do have a couple of questions for counsel for the
20	District. And, of course, commissioners are always invited to
21	interrupt and speak up.
22	There is one question, Ms. Griffin, I wanted to
23	ask you about one of the conditions in the alternative that the
24	District has proposed. And this is related to the requirement
25	that a permit be obtained from DNR within two years. And I was

1 wondering what the difference is between requiring the permit 2 within a two-year period and the provision under the statute Section 393.170.3, which requires a certificate holder to 3 exercise that certificate within two years. I just wanted to 4 5 understand if there is a difference between those two provisions 6 and the condition that the District has proposed. 7 MS. GRIFFIN: There was not intended to be a 8 difference, Judge. 9 JUDGE JACOBS: Okay. So that condition is 10 really just kind of emphasizing that there is a two-year limit 11 under statute. 12 MS. GRIFFIN: Correct. 13 JUDGE JACOBS: Okay. It seems like there could 14 possibly be an issue as far as what constitutes exercising a 15 certificate, however. Do you think that is true? Would you see 16 the only way that the certificate is exercised is by obtaining 17 the permit? 18 MS. GRIFFIN: The latter is what I -- how I 19 viewed the law. 20 JUDGE JACOBS: Okay. I don't know if Staff 21 counsel would have anything to say on that point. 22 MR. PRINGLE: I know we've faced complaints 23 before about what it means to exercise the CCN, Judge. So 24 really I could not tell you until they were to get that 25 operating permit. Personally, I would see that as exercising

1	it, but we have had cases regarding when it is exercising of the
2	CCN.
3	JUDGE JACOBS: Okay. Did any other party have
4	anything to say on that point, perhaps, counsel for the company?
5	MR. COOPER: Only, Judge that I would agree that
6	while that language is in the statute, I'm not familiar with any
7	case or any further guidance beyond what is those words are in
8	the statute, in terms of what it means to exercise a
9	certificate. So I think that is an open question.
10	JUDGE JACOBS: And if I understood you correctly
11	this morning, the Company was indicating that this particular
12	requested condition was not something that the Company would
13	have a problem accepting; is that right?
14	MR. COOPER: That's correct.
15	JUDGE JACOBS: Okay. Thank you.
16	I did have another question for the District,
17	and this question is simply about the request that the condition
18	the Commission might impose would prohibit Missouri-American
19	from converting the Hallsville system to a discharge facility.
20	And my question for counsel there was: Doesn't the Clean Water
21	Commission have the authority to refuse the discharge permit?
22	MS. GRIFFIN: Yes, they do, Judge, but it's the
23	District's position that its regulations also would prohibit
24	that solution to the compliance issues being experienced at the
25	Hallsville system, and the District believes that it is

```
appropriate for Missouri-American to be required to coordinate
 1
 2
     any solution that would involve such a conversion with the
     District under its regulations.
 3
                      JUDGE JACOBS: Okay. And so your references to
     the District and its regulations are -- could you clarify for me
 5
     what you are referring to? Are you referring to the District's
 6
 7
     management plan or some other document?
 8
                      MS. GRIFFIN: I'm referring to the District's
 9
     sanitary sewer regulations which are included in the materials
10
     that were pre-filed as part of the facility plan that includes
11
     the Hallsville service area.
12
                      JUDGE JACOBS: And that must be part of the
13
     extensive schedules that are attached to Mr. Ratermann's
14
     testimony; is that right?
15
                      MS. GRIFFIN: Correct. It's Schedule on TR-1.
16
                      JUDGE JACOBS: Thank you very much for
17
     clarifying that for me.
18
                      Okay. Those were the only questions that I had.
19
     I don't know if the Company or Staff counsel had any additions
20
     that they would like to make, thereafter, having heard from
21
    Ms. Griffin? It doesn't appear so.
22
                      And unless we have any questions for counsel, we
23
     are ready to proceed to start hearing from witnesses.
24
     anyone have anything to add before we go ahead and get started
2.5
    with our first witness? Okav.
```

```
According to the information I have, we should
 1
 2
     be hearing from Mr. Horan. Give me one moment here while that
     individual gets his video lined up, and I am going to send a
 3
     message. I will be right back.
 4
 5
                      Thank you-all very much for your patience with
 6
     me this morning. It appears that we have Mr. Horan by video
 7
     this morning.
 8
                      Sir, could you speak up to make sure that we can
 9
    hear you?
10
                      MR. HORAN: Yes, Judge, can you hear me?
11
                      JUDGE JACOBS: Yes, we can hear you very well.
12
     Okay. So the first thing that we need to do is get you sworn
13
     in. Could you raise your right hand, sir?
14
                      (Witness sworn.)
15
                      JUDGE JACOBS: Okay. Counsel for
16
     Missouri-American, you may proceed with your witness.
17
    you.
18
                      MR. COOPER: Thank you, Judge.
19
     MATT HORAN, being first duly sworn, testifies as follows:
2.0
     DIRECT EXAMINATION BY MR. COOPER:
21
                      Mr. Horan, would you go ahead and state your
              0.
     name for the record?
22
23
              Α.
                      Yes. My name is Matthew Horan.
24
              Ο.
                      And by whom are you employed and in what
25
     capacity?
```

1	A. I'm employed by the Missouri-American Water
2	Company. My employment title is senior operations manager for
3	the east central division.
4	Q. Have you caused to be prepared for the purposes
5	of this proceeding certain direct and surrebuttal testimony in
6	question and answer form?
7	A. I have.
8	Q. Is it your understanding that that testimony has
9	been marked as Exhibits 1 and 3, in both public and confidential
10	form?
11	A. It is.
12	MR. COOPER: Judge, we had I'm going to ask
13	Mr. Horan about changes, and we had provided the errata sheet to
14	you yesterday. We'll work from that. I don't whether you want
15	to do anything else with the errata sheet or mark it or how you
16	would like for us to handle that.
17	JUDGE JACOBS: I think that it probably needs to
18	be marked as an exhibit to make sure that it gets in the record
19	in writing, and then you can go ahead and work from it in your
20	in Mr. Horan's testimony as well today. Does that work for
21	you?
22	MR. COOPER: That's fine. Judge, we would ask,
23	then, that the errata sheet be marked as Exhibit 7.
24	JUDGE JACOBS: Okay. We will mark that as
25	Exhibit 7.

1	BY MR. COOPER:	
2	Q.	Mr. Horan, you have before you the reference to
3	errata sheet tha	t has now been marked as Exhibit 7?
4	Α.	I do.
5	Q.	Does that sheet represent changes that you have
6	to your surrebuttal testimony?	
7	Α.	Yes, it does.
8	Q.	Would you go through those for us one at a time?
9	Α.	Yes. So the first correction to the testimony
10	is on Page 5, Line 5, and it says that we propose to maintain	
11	Hallsville's current rates and we are changing the words	
12	"current rates"	and replacing the "current rates at closing."
13	Q.	And then the second change?
14	Α.	The secondary change is on Page 8, Line 2, and
15	we are just striking the word "highly" out of the testimony.	
16	Q.	And the third change?
17	Α.	Third change occurs on Page 8, Line 8, and the
18	last word on the	line should be an "A" not a "And".
19	Q.	And then the final change?
	χ.	And then the final change?
20	A.	The final change occurs on Page 10, Line 19.
20 21	Α.	_
	Α.	The final change occurs on Page 10, Line 19.
21	A. The first word o	The final change occurs on Page 10, Line 19.
21 22	A. The first word o	The final change occurs on Page 10, Line 19.

_	
1	contained in Exhibits 1 and 3 today, as now corrected, would
2	your answers be the same?
3	A. They would.
4	Q. Are those answers true and correct to the best
5	of your information, knowledge, and belief?
6	A. They are.
7	MR. COOPER: Judge, at this time I would offer
8	Exhibits 1P, 1C, 3P, 3C, and the errata sheet, Exhibit 7, into
9	evidence and tender the witness for cross-examination.
10	(WHEREIN; Exhibits 1P, 1C, 3P, 3C, and 7 were
11	offered into evidence.)
12	JUDGE JACOBS: Are there any objections to the
13	admission of those exhibits which constitute Mr. Horan's
14	prefiled testimony in this case and the errata sheet? Hearing
15	no objections, those exhibits will be admitted into the record.
16	(WHEREIN; Exhibits 1P, 1C, 3P, 3C, and 7 were
17	received into evidence.)
18	JUDGE JACOBS: And we can proceed to
19	cross-examination. We'll start with Staff.
20	MR. PRINGLE: Thank you, Judge.
21	CROSS-EXAMINATION BY MR. PRINGLE:
22	Q. Good morning, Mr. Horan.
23	A. Good morning.
24	Q. How many sewer customers are served by the
25	Missouri-American Water Company?

1	A. We have I don't have the exact number off the
2	top of my head right now, but I believe it is somewhere in the
3	neighborhood of 15,000 customers in Missouri.
4	Q. And how many wastewater treatment facilities
5	does Missouri-American Water operate in Missouri?
6	A. To the best of my knowledge, it is 73 wastewater
7	systems.
8	Q. And I'm correct in saying that Missouri-American
9	Water is a Level 2I continuing authority?
10	A. That is my understanding, yes.
11	Q. And when it comes to the issuance of continuing
12	authority, is that a is that more to do with operating
13	permits or CCNs?
14	A. To my understanding, it has to do with operating
15	permits.
16	Q. And where would a sewer utility go to receive an
17	operating permit?
18	A. We would go to Missouri Department of Natural
19	Resources.
20	MR. PRINGLE: Thank you, Mr. Horan. I have
21	nothing further at this time.
22	THE WITNESS: Thank you.
23	JUDGE JACOBS: And we will now hear from the
24	District for cross-examination.
25	MS. GRIFFIN: Thank you, Judge.

1	CROSS-EXAMINATION BY MS. GRIFFIN:
2	Q. Good morning, sir.
3	A. Good morning.
4	Q. Has Missouri-American seen the contracts between
5	the City of Hallsville and the District, under which the
6	Hallsville system is to serve the District customers in
7	Sunnyslope and Silver Creek subdivision?
8	A. We have.
9	Q. And so Missouri-American is aware of these
10	contracts do not expire until 2039?
11	A. I believe that is what is on those contracts,
12	yes.
13	Q. And does Missouri-American continue to take the
14	position that it has no obligation under these contracts?
15	A. I'm not an attorney. So I'm not sure to go
16	through them, but I know we are committed to working with the
17	District to make sure that we will continue the treatment of
18	wastewater from those subdivisions.
19	Q. Do you know if Missouri-American has provided
20	any draft or contracts to the District that would be between
21	Missouri-American and the District for service at the Sunnyslope
22	and Silver Creek subdivisions?
23	A. I am not sure if anything has been provided to
24	the District, but I know counsel has worked up some had been
25	working on some draft agreements and is willing to get with the

1	District on this.
2	Q. Does Missouri-American have any intention on
3	serving future customers of the District in areas of
4	unincorporated Boone County, outside of Sunnyslope or Silver
5	Creek subdivision?
6	A. In regards to the Hallsville acquisition, no, we
7	do not. I can't speak for the entire county.
8	Q. Okay. Has Missouri-American evaluated the
9	impact of its purchase of Hallsville's system on the District's
10	long-term planning for the regionalization of sewer services
11	within Boone County?
12	A. We have not.
13	Q. Has the District done any evaluation of the
14	impact of its purchase of Hallsville's system on the District's
15	operations?
16	A. Can you repeat that question?
17	Q. Sure. Has Missouri-American evaluated at all
18	what the impact might be of its purchasing Hallsville's system
19	on the District's operation?
20	A. No.
21	Q. And did you have any involvement in the process
22	followed by the District to obtain the Missouri Clean Water
23	Commission's approval as a Level 2 continuing authority?
24	A. I did not.
25	Q. Do you know anyone at Missouri-American did have

1	involvement in that process?
2	A. I do not know that. I believe it was back in
3	the '70s.
4	Q. Okay. So the only information that
5	Missouri-American has regarding that approval issued by the
6	Missouri Clean Water Commission are the schedules that are
7	attached to your surrebuttal testimony?
8	A. That is my understanding.
9	Q. Thank you. And would you agree on behalf of
10	Missouri-American, that Hallsville's current practice of land
11	applying Hallsville's wastewater effluent is not a long-term
12	solution for the Hallsville facility?
13	A. I do agree with that. We believe some other
14	type of treatment is necessary.
15	Q. Okay. And as part of the reason that that would
16	not be a long-term solution because of the dependency on the
17	local landowners, Mr. Martin and Mr. Teal, from whom the land
18	application fields for the Hallsville system are leased?
19	A. Yes, that is correct.
20	Q. And would you also agree that Hallsville has
21	indicated it has had issues with these landowners for years, in
22	terms of them complying with the contracts with the City?
23	A. I would agree with that.
24	Q. In your surrebuttal testimony, you testified as
25	to two different irrigation options as a solution, a long-term

- solution for the Hallsville facility. And you indicated that
 Missouri-American would need to purchase land to have an
 irrigation option or modify and continue the agreements with
 landowners/partners cooperation. Do you recall giving that
 testimony?
- 6 A. I do.

2.5

- Q. And my question to you is: Based on the history of issues with landowners, Mr. Martin and Mr. Teal, how would modifying and continuing the agreements with these individuals be a viable solution for the Hallsville system?
- A. I believe we would need to modify the agreements and get more language in there to make sure that they are following the operating permit.
- Q. If this Commission grants Missouri-American's request for a Certificate of Convenience and Necessity, how long does Missouri-American anticipate operating the Hallsville system before selecting a long-term solution?
- A. That is unknown at this point. We get stressed along the process that we would like to make sure that we operate it for a period of time to collect all the data necessary, in fact, all the options that we are considering as of now, knowing that there may be some more options out there that we're not considering at this point.
- Q. Does Missouri-American intend to involve the District in its process for selecting a long-term treatment

1	option?
2	A. No, we do not.
3	MS. GRIFFIN: Nothing further, Judge.
4	JUDGE JACOBS: Thank you very much.
5	At this point we will take any questions that we
6	may have from commissioners. I will also have some questions
7	for Mr. Horan, and so anytime commissioners would like to ask
8	questions, just go ahead and speak up. Okay.
9	The first thing I wanted to address before we
10	get to additional questions for Mr. Horan, is we did hear some
11	testimony about agreements that are in place between Hallsville
12	and the District in regard to providing service to some
13	subdivisions. And my understanding is that those agreements
14	were attached in a pleading filed by the Company on August 31st.
15	They appear to be Appendix E and Appendix F, and that includes
16	an ordinance from the City of Hallsville, and then the attached
17	related contracts that apparently arose out of that authority.
18	I would propose that it would be helpful for the Commission's
19	decision in this case to actually have those documents in the
20	record, rather than just testimony and references to them.
21	So I would propose that as Commission's Exhibit
22	303, we would admit the contents of Appendix E, which was
23	attached to the August 31st filing by the Company, which
24	constitutes the Hallsville Ordinance 358 and the cooperative
25	agreement between the District and the City regarding

```
Sunnyslope. And then Appendix F would be included on the record
 1
 2
     as Commission Exhibit 304. That should be composed of
    Hallsville Ordinance 362, with the attached cooperative
 3
 4
     agreement between the District and the City in regard to the
 5
     Silver Creek subdivision.
                      (WHEREIN; Exhibit 303 and 304 were offered into
 6
 7
     evidence.)
 8
                      JUDGE JACOBS: I think that adding these
 9
     documents to the record is potentially going to be helpful for
10
     further testimony today and for the Commission's decision.
11
                      Are there any objections to that from any body?
12
                      MR. COOPER: No objection.
                      JUDGE JACOBS: Okay. Then we will admit those
13
14
     document as I have described them.
15
                      (WHEREIN; Exhibit 303 and 304 were received into
16
     evidence.)
17
                      JUDGE JACOBS: And after they are filed, the
18
    parties will have an opportunity to verify that exactly these
19
    precise documents were selected and filed. Okay?
20
                      All right. So we can proceed now with questions
     that I have for Mr. Horan.
21
22
     QUESTIONS BY JUDGE JACOBS:
23
              0.
                      The first thing I would like to ask you about is
24
    you just clarified your testimony through the errata statement
2.5
     to indicate that the Company's proposal is to use the rates that
```

are currently charged by Hallsville at the time of closing; is 1 2 that correct? That is correct. 3 Α. Ο. Okay. So I have questions for you about these 5 figures, or the numbers that are used in the feasibility study 6 that is attached to your testimony. And I understand that the 7 feasibility study as a whole is a confidential document. 8 However, the proposed rates to be paid on the Hallsville system, 9 if the Company gets the CCN and actually gets an operating 10 permit, the amount that would be proposed to charged to 11 customers. My understanding is that that is not a confidential 12 element to that feasibility study. 13 Counsel for the Company, do you agree? 14 MR. COOPER: I would agree with that, Judge. 15 BY JUDGE JACOBS: 16 Ο. Okay. So I'm going to ask you about that, but 17 obviously not trying to breach any confidentiality. 18 Are you able to look at the feasibility study, 19 Mr. Horan? 20 Α. I am. 21 Ο. Okay. Could you look at what is the amount as 22 indicated to be charged Hallsville customers in that feasibility 23 study. And please tell us what that is. 24 The amount in that study is \$38.75 flat Α. Yes. 25 rate.

1	Q. (Okay. And are you familiar with the amount that
2	Missouri-American	's application indicates it intends to charge
3	customers in Halls	sville?
4	Α. Σ	Yes, I am.
5	Q. A	And what amount is that?
6	Α.	That was the current rates that Hallsville was
7	charging. From me	emory, I believe it was \$19.35 for the first
8	thousand gallons a	and \$5 per thousand gallons additional
9	thousand gallons,	thereafter.
10	Q. 5	Your memory appears to be pretty good because I
11	do believe those a	are the amounts that are stated in the
12	application. So	can you explain to me the difference the
13	apparent difference	ce between what is in the feasibility study and
14	what is in the app	plication?
15	Α.	I just believe that when we filed the
16	application that w	we had an improper rate in there. The 38.75
17	that was original	ly identified in the feasibility study is our
18	intention.	
19	Q. V	What is the net worth of the \$38.75 rate?
20	Α.	That is the current rate that we charge small
21	sewer smaller s	sewer systems outside of the city of Arnold, as
22	authorized by the	PSC.
23	Q. (Okay. And so I previously informed the or
24	the Commission had	d previously informed the parties that we may
25	need to bring into	o the record Missouri-American's current rates

```
under its existing tariff, and that was a proposed Exhibit 300,
 1
 2
     Commission's Exhibit 300. So I would propose based on
     Mr. Horan's testimony today and his reference to the current
 3
     sewer rate, that that Exhibit 300, that was disclosed to the
 5
     parties to be admitted to the record.
                      (WHEREIN; Exhibit 300 was offered into
 6
 7
     evidence.)
 8
                      JUDGE JACOBS: Does anyone have an objection to
 9
     that? Okay. Commission Exhibit 300 will be admitted to the
10
     record.
11
                      (WHEREIN; Exhibit 300 was received into
12
     evidence.)
13
     BY JUDGE JACOBS:
14
              0.
                      Okay. I do require, then, some additional
15
     explanation, Mr. Horan, because I think your testimony today was
16
     that the Company is proposing to adopt the rates that are
17
     charged in Hallsville at the time of closing; is that right?
18
              Α.
                      That is correct.
19
                      Okay. And then what is the relationship between
              0.
20
     that rate and what is stated in the feasibility study?
21
                      So the rate -- so the rate that Hallsville's
22
     charging right now, they're actually in the process of redoing
23
     their rate structure to have it as a 38.75 flat rate.
24
              0.
                      Okay. And then we have some testimony and
2.5
     statements by counsel and also, in your testimony, you've
```

1	indicated that the Hallsville's system is under enforcement with
2	the DNR's water protection enforcement section. Can you tell me
3	anything more about what that means? Do you know what it means
4	to be under enforcement?
5	A. So I'm not a water quality expert, but I do know
6	under enforcement, the DNR basically follows up with the
7	municipality or the sewer or water purveyor to make sure that
8	they are continuing to improve their system to get it up to the
9	standards of the State. And typically, there are financial
10	implications involved in that.
11	Q. Okay. Thank you. The another question I
12	wanted to ask you was whether the Company serves any sewer
13	customers or holds any Certificates of Convenience and Necessity
14	in Boone County?
15	A. I don't believe so, but I do not know that
16	answer 100 percent.
17	Q. Okay. So you're not 100 percent confident about
18	whether Missouri-American is operating in Boone County for sewer
19	services at this time?
20	A. Correct.
21	Q. Okay. Does the Company currently serve any
22	water system customers in Boone County?
23	A. Again, I don't believe so, but I would have to
24	double check.
25	Q. Okay. And does Missouri-American currently

1	operate any sewer systems in Missouri that use land application
2	in the way that the Hallsville system uses land application at
3	this time?
4	A. I am not familiar with every sewer system that
5	we have in the county. I'm not aware, but once again, I do not
6	know that answer.
7	Q. Okay. Are you so it sounds like you are not
8	aware of any systems operated by the Company that use land
9	application in Missouri, but you there could be some. You
10	simply don't know?
11	A. Correct, yes. Because we have operations all
12	over. I'm not familiar with each individual one.
13	Q. Okay. And in your role and in your job, are you
14	supervising the use of land application in any of those systems?
15	A. I am not.
16	Q. Okay. So could you explain to us what your
17	understanding is of the feasibility study that's submitted to
18	the Commission with an application for a certificate and how
19	that relates, if at all, to any improvements that a new operator
20	might want to make to a system after acquisition?
21	A. Again, I do not believe it's in there, but that
22	is all handled by our staff accountants on board and prepared
23	for us through our experts, and I am not an accounting expert on
24	that.

Q. Okay. Can you tell us how urgent

25

Missouri-American views the need to upgrade the Hallsville sewer system?

- A. Yes. As soon as we are able to get the CCN and begin to operate the system, we immediately plan on checking numbers, verifying estimate parameters, and working towards a better solution because, as stated in my testimony, we do not believe land application is the best option here in Hallsville.
- Q. Do you have any idea of the time frame in which the Company would expect to begin construction or introduction of any upgrades to the Hallsville system?
- A. I think that would depend on the type of treatment option that we did, how long it would actually take to design it. So there is no set date for that, but I know it's something we're not looking to push off for five years or anything. It would be immediately after we would start looking into it.
- Q. All right. And then I wanted to ask you about one of the statements that you made in your testimony. I believe that I'm restating it accurately here. You said that Missouri-American can make the upgrades needed to achieve compliance with DNR requirements while keeping customer rates lower than those that would be assessed by Hallsville. I'm paraphrasing to some degree. This appears in your direct testimony on Page 10.

So I just wanted to ask you to please explain to

us why Missouri-American would be able to upgrade this system,
comply with DNR requirements, but without raising rates to the
degree the City would have to?

2.5

- A. Sure. So we are in a situation unlike the City, where the City has 600 -- I believe it's 664 connections to their sewer system, and they have a limited base that they are able to spread those charges out over. With Missouri-American being statewide, we have different rate groups that allow us to spread charges over larger customer bases, thus resulting in less price. Sorry, Judge.
- Q. I apologize. That was my fault. I stepped on you. I shouldn't have done that. Okay.

I want to ask you about something that does appear in a confidential item in Schedule MH-5C. And I am hoping that it will be possible to discuss it without getting specifically into information that is confidential. However, if it is not, we can go into a private breakout session to have an in-camera discussion. And, so, what I am going to do is let you and your counsel know what I'm going to ask about and you guys can assess whether we can do that without breaching confidentiality.

Basically, my question relates to one of the estimates that is provided in 5C, and in particular it is for one of the estimates that includes two figures, essentially.

And this is for what was dubbed to be triple point. Okay. So I

```
was not able to understand, based on the testimony that I had
 1
 2
     seen on that estimate, what that estimate means because of the
 3
     larger figure appearing above it and a much lower figure
     underneath, and I didn't understand what that was indicating.
 4
                      As I describe this, I'm starting to think we
 5
 6
     would have to discuss this in-camera, but perhaps not.
 7
                      Mr. Cooper, do you see what I am talking about,
 8
     about why that is hard to understand?
 9
                      MR. COOPER: I see what you are referring to,
10
     Judge, yes. And I mean, I guess if the question is, you know,
11
     what is the difference between those figures without specifying
12
     the numbers, I suspect we could do it.
13
                      JUDGE JACOBS: You know --
14
                      MR. COOPER: To keep it in public statement.
15
                      JUDGE JACOBS: Right. Breaking down -- okay,
16
     the first set of figures was supposed to describe this, and then
17
     the second set of figures is describing this. If it is possible
18
     to do that in public, that is fine. If it seems like it is
19
     going to be too vaque, like I said, I can pull us into an
20
     in-camera.
21
                      MR. COOPER: We can certainly give that a try,
22
     if Mr. Horan thinks that he can approach it that way.
23
     BY JUDGE JACOBS:
24
                      Mr. Horan, what is your confidence level on what
              Ο.
25
     I am trying to figure out here and your access to the
```

terminology to describe it without breaching confidentiality? 1 2 Α. I think I could do it without breaching confidentiality. 3 Okay. All right. So, did you find the part of 0. 5 Schedule MH-5C that I am talking about that provides two different figures? 6 7 Yes, I did, Judge. Α. 8 Q. All right. And I suppose that you have a better 9 idea of what is truly confidential here and what is not. So the 10 description of this particular option, would you consider that 11 to be confidential information? 12 I do not. Α. 13 Okay. Could you describe it for me, then, just 0. 14 as it is labeled? 15 Yes, Judge. I do see the confusion that we have Α. 16 These estimates were prepared by some of our experts in 17 our engineering department, and what a triple-point system is, 18 it's specifically for removing ammonia, is one of the big things 19 The first figure, from my understanding from my 20 engineers, is for us treating 100 percent of the flow. 21 second figure would still be utilizing some type of irrigation. 22 So it would be a slightly smaller system with a little bit less 23 flow. Okay. So, essentially, it's an estimate that 24 Ο. 25 shows either introducing a system that is for the whole

1	treatment or kind of a hybrid, where you introduce this
2	treatment method for some portion of the wastewater and then
3	still use irrigation for some other portion?
4	A. That is correct. It is my understanding
5	excuse me that our engineers had done that if we did still
6	have some type of irrigation, obviously the flow would be a
7	little bit lower, so we could downsize that package area a
8	little bit.
9	Q. Okay. Thank you so much. That is far less
LO	mysterious to me now. So I appreciate that.
11	All right. You have also provided testimony
L2	that has indicated that perhaps you believe that the proposal
L3	the District has made to build connecting sewer and transport
L4	Hallsville waste is perhaps unrealistic or I won't put words
L5	in your mouth but anyway, you questioned the viability of
L6	that option. And so it seems that one of the reasons you were
L7	questioning it was the distance over which wastewater would have
L8	to be transported, and you pointed out in your testimony that it
L9	was eight miles.
20	Is there something about transporting wastewater
21	over eight miles that makes that especially expensive,
22	erroneous, impractical?
23	A. Our opinion it's cost prohibitive compared to
24	what we are looking at.
25	O. Okay. And so would your opinion about that be

different if Missouri-American had a treatment facility eight 1 2 miles away? Depends on the infrastructure that you have set 3 Α. up, but not necessarily. Would be always looking for the most 4 prudent option for our customers. 5 Okay. Is there a volume of wastewater that 6 Ο. 7 would justify that kind of transport arrangement? 8 Α. I'm sure there is, but I would have to rely on 9 my engineering staff to come up with that financial analysis. 10 Q. Okay. 11 JUDGE JACOBS: All right, sir. I believe that 12 those were all the questions that I had for you. I am going to 13 check with commissioners and give commissioners another 14 opportunity to speak up if they had any questions, and make sure 15 I don't have any additional questions. 16 It doesn't appear that there are any additional 17 questions from the bench at this time. So we will open it up to 18 recross and start with Staff. 19 MR. PRINGLE: Thank you, Judge. 2.0 RECROSS EXAMINATION BY MR. PRINGLE: 21 Mr. Horan, I just wanted to make sure I heard 0. 22 you right. Did you say the City was going to change its base 23 rate to \$38? 24 \$38.75. That is correct. Α. 25 Ο. Okay. And is it true that the current base rate

A. So the current base rate, it is \$19.35 for first thousand gallons of water consumed, and then every thousand gallons after that is an additional \$5. So if the were an additional 4,000 gallons, it would be an additional on top of that 19.35.	РУ
thousand gallons after that is an additional \$5. So if the were an additional 4,000 gallons, it would be an additional	_
were an additional 4,000 gallons, it would be an additional	_
	¢20
6 on top of that 19.35.	, ÇZ U
7 Q. Okay. But now it says we're just going to	have
8 the flat 38?	
9 A. That is our intention, yes, sir.	
Q. Thank you, sir.	
11 A. Uh-huh.	
JUDGE JACOBS: Okay. It appears that we a	re
ready for recross from the District.	
MS. GRIFFIN: Thank you, Judge.	
15 RECROSS EXAMINATION BY MS. GRIFFIN:	
Q. Sir, did Missouri-American do any analysis	of
17 the cost to transport wastewater flows from the Hallsville	
system to the District's Rocky Fork wastewater treatment	
19 facility?	
A. We have not.	
MS. GRIFFIN: Nothing further, Judge.	
JUDGE JACOBS: Okay. Thank you very much.	
Missouri-American, did you want to engage	in any
Missouri-American, did you want to engage redirect?	in any

```
1
                      JUDGE JACOBS: Feel free to get started.
                                                                  Thank
 2
     you.
 3
                      MR. COOPER: Thank you.
     REDIRECT EXAMINATION BY MR. COOPER:
 4
 5
                      Mr. Horan, at the end of your initial
 6
     cross-examination by Ms. Griffin, you were asked whether
 7
     Missouri-American intended to involve the District in any of its
 8
     planning process. Do you remember that?
 9
              Α.
                      I do.
10
                      And I believe you said -- at that time.
              0.
11
     Correct?
12
                      I missed that. I'm sorry.
              Α.
13
                      Did you answer no to that question?
              0.
14
              Α.
                      I believe so. Yes.
15
                      In your experience, does Missouri-American's
              Ο.
16
     approach change sometimes based upon circumstances in the
17
     future?
18
                      Occasionally, circumstances change.
              Α.
19
                      So your answer was based on what you know today.
              0.
     Correct?
20
21
                      Yes.
              Α.
22
                      But unknown circumstances of the future might
              Q.
     lead to a different answer?
23
24
                      I would say that's accurate.
              Α.
2.5
              Q.
                      You were asked a question about why you
```

testified that Missouri-American could provide service in 1 2 Hallsville at a lower rate than Hallsville could provide it itself. Correct? 3 Α. I was. 5 0. And I believe you mentioned the impact of the 6 greater customer base. Correct? 7 Α. T did. 8 Q. Would there also be economies of scale in regard 9 to cost of materials, labor, engineering, that sort of thing? 10 There would. We do have national contracts for Α. 11 different types of materials that we are able to leverage our 12 purchasing power nationwide to get better rates on different 13 materials. 14 Q. And I assume you have engineering in-house as 15 well? 16 We do have engineering staff in-house. Α. 17 0. If you know, there was a discussion of the 18 Sunnyslope and Silver Creek, the other sub -- the other subdivision -- the two subdivisions that are served by the 19 20 District, but the waste is treated by Hallsville. Do you know 21 approximately how many customers were in those subdivisions 22 today? 23 Α. So it has been, I think, back and forth in 24 testimony. My understanding was that it was a minimal number, 2.5 something in the range of just a couple of residences, but I

know the District had said that was incorrect. So I am a little 1 2 confused on that. I know the Mayor has a similar understanding that I do. 3 But, ultimately, I think your testimony was that 0. 5 it would be Missouri-American's intention, if it purchased 6 Hallsville system, to continue to provide the treatment of the 7 waste from those subdivisions? 8 Α. That is correct. 9 MR. COOPER: That's all the questions I have, 10 Your Honor. 11 JUDGE JACOBS: Okay. Thank you very much. 12 Before we take a short break, I am going to ask if there are any 13 additional questions for Mr. Horan at all? Okay. 14 FURTHER QUESTIONS BY JUDGE JACOBS: 15 Mr. Horan, can you tell us if -- you know, the Ο. 16 current rates under the application that the Commission received 17 indicated the City is charging a current rate of 19.35, and then 18 an additional amount that is apparently based on water 19 consumption. So is the Company willing to have a certificate 20 granted on those terms that those would be the rates until an 21 actual rate proceeding? 22 Α. So I don't think that we're not saying that that 23 would blow up the granting of the CCN or anything. I think we 24 will go with what the Commission does, but our intention and our 2.5 recommendation was the 38.75 flat.

1	JUDGE JACOBS: Okay. And was there any
2	anyone, perhaps, Staff or District, did you want to ask any
3	questions on cross since I just introduced a new question? No?
4	Mr. Pringle?
5	MR. PRINGLE: Yeah, Judge.
6	FURTHER RECROSS EXAMINATION BY MR. PRINGLE:
7	Q. Mr. Horan, when did the Company make a decision
8	about the 38.75?
9	A. It's been a little bit. I don't know the exact
10	date or anything like that, Mr. Pringle. I did notice when I
11	was reviewing some of the stuff with the older rates there from
12	Hallsville, we brought it to the attention of my counsel.
13	Q. Okay. Again, I just wanted to make sure. I
14	know in the Staff recs we had that 19.35 number. So I just
15	wanted to confirm it. And I couldn't get where the 38.75 came
16	from, but thank you, Mr. Horan.
17	A. No problem.
18	JUDGE JACOBS: Any questions from the District?
19	MS. GRIFFIN: No, Judge. Thank you.
20	JUDGE JACOBS: And, Mr. Cooper, did you have any
21	follow-up questions for Mr. Horan?
22	MR. COOPER: I do. Just briefly, Judge.
23	FURTHER REDIRECT EXAMINATION BY MR. COOPER:
24	Q. Mr. Horan, just so that it's clear, I think what
25	you said in response to the judge's question is, is that if the

Commission decides that -- to grant the CCN but call for the 1 2 combination fixed rate and volumetric rate that was reflected in the application, Missouri-American, that would not stop 3 4 Missouri-American from moving forward with the transaction. 5 Correct? That is correct. 6 Α. 7 And if you know, when the public hearings were 0. 8 conducted in Hallsville, what rate -- what was utilized in those 9 presentations? 10 Α. So from the literature that I have seen, it has 11 always been 38.75 to the public. 12 And then one more question. If you know, in 13 terms of total revenue to the Company is the 38.75 fixed rate 14 the rough equivalent to the -- what is it -- 19.75, plus the 15 volumemetric rate, just computed in a different way on an individual customer basis? 16 17 They are similar. First, \$5,000 -- 5,000 gallon 18 average customer usage I believe it is slightly less than what 19 the District -- the City is currently charging. 20 0. But in terms of the overall revenues to be 21 received by the Company, once you consider all of the customers, 22 are they roughly equivalent to Missouri-American? 23 Α. That is my understanding. 24 That's all the questions I MR. COOPER: Yeah.

25

have, Judge.

```
1
                      JUDGE JACOBS: Okay. It appears we have now
 2
    opened up an issue about what rate was proposed to the
    Hallsville public. There is a document that was offered as an
 3
 4
    attachment to a District filing on December 14th, which appears
 5
     to be an offer to Hallsville from Missouri-American, and that
 6
    document appears to identify a proposed rate.
 7
                      So is it possible for Mr. Horan to access that
 8
    filing at this time?
9
                      MR. HORAN: Which filing was it, Judge?
10
                      JUDGE JACOBS: It was filed on December 14,
11
     2020, in this case, by the District. And it is attached as
12
    Appendix A.
13
                      MR. COOPER: I'll have to pull that up, Judge.
14
                      JUDGE JACOBS: Okay. I will be patient while
15
    everyone locates this document. Once you have located it, if
16
    you could just let me know, each party, and then we'll know when
17
    we can proceed?
18
                      MR. HORAN: I have located it, Judge.
19
                      JUDGE JACOBS: I think Mr. Horan has indicated
20
    he has found it.
21
                      MR. PRINGLE: I have it as well, Judge.
22
                      MS. GRIFFIN: I have it, too.
23
                      MR. COOPER: I have it, Judge.
24
                      JUDGE JACOBS: And I'm sorry, Mr. Cooper, I
25
    wasn't looking at my screen, so I don't know if I've heard from
```

```
1
     you yet.
 2
                      MR. COOPER: Yes, I have found it.
                      JUDGE JACOBS: Okay. I apologize. There are a
 3
 4
     lot of voices. It is hard to keep it straight.
 5
                      So I think I have heard from all parties that
 6
     this document has been found, and it appears that Mr. Horan has
 7
     it and can review it. So I believe it would be useful,
 8
     especially in talking to Mayor Carter about the proposals to the
 9
     City and what kind rates are and the plan to change the City's
10
     rates, if that is currently what is underway, to be able to
11
     refer to this document.
12
     FURTHER OUESTIONS BY JUDGE JACOBS:
13
                      Mr. Horan, can you tell us if you recognize this
              0.
14
     document?
15
                      I have seen it before, yes.
              Α.
16
                      Okay. And did you -- have you been able to
              0.
     locate where it discusses the proposed rate?
17
18
              Α.
                      I have.
19
                      Okay. Is that Page 5?
              Q.
20
              Α.
                      Yes, it is.
21
                      Okay. And could you just tell us what that
              0.
22
    proposal is in regard to the rate?
23
              Α.
                      So the proposal for Missouri-American Water in
24
     here, it is 38.75 flat rate.
2.5
              Q.
                      Do you have any insight into why the current
```

```
rate for Hallsville is indicated at $40?
 1
 2
              Α.
                      I do not. I would probably have to do some
 3
     quick math on it.
                      Okay. It looks like it indicates a typical
              0.
 5
     residential wastewater -- or water use of 5,000 gallons. So all
 6
     you mathematicians out there, perhaps, that provides their
 7
     explanation.
 8
                      MR. COOPER: I --
 9
                      JUDGE JACOBS: So I would propose -- I'm sorry,
10
    go ahead.
11
                      MR. COOPER: No, I'm sorry, Judge. I'll let you
12
     finish.
13
                      JUDGE JACOBS: I would propose that this
14
     document would be useful to the Commission in understanding this
15
     case. And so I would propose that this document be admitted
     into the record as Commission Exhibit 305.
16
                      (WHEREIN; Exhibit 305 was offered into
17
18
     evidence.)
19
                      JUDGE JACOBS: Does anyone have an objection?
20
                      I will note that it was attached to the public
21
     document, and so it has been out there as a public document
22
     despite the fact that it is indicated on top that it's
23
     confidential. Are there any continuing concerns about the
24
     confidentiality of anything in this document? Okay. I imagine
     that ship has sailed at this point.
2.5
```

1	So this, which I will characterize as a proposal
2	offer, will be admitted into the record as Commission Exhibit
3	305.
4	(WHEREIN; Exhibit 305 was received into
5	evidence.)
6	JUDGE JACOBS: And once again, once all the
7	exhibits are filed, everyone will have an opportunity to make
8	any corrections if the wrong documents get filed. Okay.
9	So we've now gone into the question of what the
10	proposed rate would be in Hallsville. And I'm going to once
11	again give all the parties a chance to clarify any issues before
12	we move from Mr. Horan's testimony here today.
13	So, once again, I will start with Staff. Did
14	you have anything?
15	FURTHER CROSS-EXAMINATION BY MR. PRINGLE:
16	Q. Mr. Horan, I think you stated earlier that this
17	38 rate is cheaper than the current rate charged by the City of
18	Hallsville?
19	A. For a typical 5,000-gallon user. That is
20	correct.
21	Q. Thank you, sir.
22	MR. PRINGLE: I have nothing further, Judge.
23	JUDGE JACOBS: Thank you.
24	And anything from the District?
25	MS. GRIFFIN: No, Judge.

1	JUDGE JACOBS: Thank you.
2	And, Mr. Cooper, was there any final issues you
3	wanted to clarify with Mr. Horan?
4	MR. COOPER: Just one thing. I'm going to
5	follow up on your invitation to do some math here.
6	FURTHER REDIRECT EXAMINATION BY MR. COOPER:
7	Q. Mr. Horan, if you take the 19 is it 19.75?
8	A. I want to say 19.35, but I would have to go look
9	at the City's rates.
10	Q. Yeah, yeah. But, okay, ultimately that \$40
11	appears to be just a slight rounding from the fact that you are
12	taking into account the base charge plus the additional 4,000
13	gallons of volumetric usage. Correct?
14	A. Correct.
15	MR. COOPER: That's all the questions I have,
16	Your Honor.
17	JUDGE JACOBS: Okay. Thank you very much.
18	All right. So we are going to take a short
19	break. I would suggest that we get back together at 10:00 a.m.
20	So it will be a short break. Does that work for everyone?
21	Okay. Will be in recess until 10:00 a.m., and we will get back
22	together and start with Mr. Carter's testimony. Thank you-all
23	so much.
24	(OFF THE RECORD.)
25	JUDGE JACOBS: We are ready to get back underway

```
and back on the record here today as we resume our hearing in
 1
 2
     SA-2021-0017. I believe where we are now is to take the
 3
     testimony of Mr. Logan Carter, unless any party has anything
     that they would like to discuss before we get to that.
 4
 5
                      And it looks like I'm seeing a warning sign on
     Mr. Carter's connection that indicates low bandwidth.
 6
 7
                      Mr. Carter, are you able to hear us?
 8
                      MR. CARTER: Yes, Judge, I am.
 9
                      JUDGE JACOBS: And, so, it looks like because of
10
     low bandwidth, you are not able to use video or are you going to
11
     give it a try?
12
                      MR. CARTER: I do have it on. I don't see any
13
     indication of low bandwidth on my end.
14
                      JUDGE JACOBS: Okay. And you actually sound and
15
     look good. So I think it is probably fine. Okay. So, sir, if
16
     you could just raise your right hand.
17
                      (Witness sworn.)
18
                      JUDGE JACOBS: Thank you very much.
19
                      Mr. Cooper, you may proceed.
20
                      MR. COOPER: Thank you, Judge.
21
     LOGAN CARTER, having been first duly sworn, testifies as
22
     follows:
23
     DIRECT EXAMINATION BY MR. COOPER:
24
              0.
                      Will you go ahead and state your full name for
2.5
     us?
```

1	A.	Logan Patrick Carter.
2	Q.	And are you testifying today in your capacity as
3	mayor of the Cit	cy of Hallsville?
4	A.	Yes, sir, I am.
5	Q.	Have you caused to be prepared for the purposes
6	of this proceed:	ings certain direct testimony in question and
7	answer form?	
8	A.	Yes, I have.
9	Q.	And is it your understanding that that testimony
10	has been marked	as Exhibit 2 for identification?
11	A.	That is my understanding.
12	Q.	And I assume you do not have any changes that
13	need to be made	to that testimony?
14	A.	I do not.
15	Q.	If I ask you the questions which are contained
16	in Exhibit 2 too	day, would your answers be the same?
17	A.	Yes, sir, they would.
18	Q.	Are those answers true and correct to the best
19	of your informat	cion, knowledge, and belief?
20	A.	Yes, sir.
21		MR. COOPER: Judge, I would offer Exhibit 2 into
22	evidence and ter	nder the witness for cross-examination.
23		(WHEREIN; Exhibit 2 was offered into evidence.)
24		JUDGE JACOBS: Are there any objections to
25	admitting Missov	uri-American's Exhibit 2 into evidence? Hearing

1	no objections, Exhibit 2 will be admitted.
2	(WHEREIN; Exhibit 2 was received into evidence.)
3	JUDGE JACOBS: I don't know if this is causing
4	any problems for our court reporter, but it doesn't sound like
5	our connection is as good as it could be. I'm going to mute
6	your line, Mr. Cooper, as we might be getting a little bit of
7	echo. Thank you very much.
8	Okay. So we can proceed to cross-examination
9	from Staff now.
10	MR. PRINGLE: Yes. Thank you, Judge.
11	CROSS-EXAMINATION BY MR. PRINGLE:
12	Q. Good morning, Mayor Carter.
13	A. Good morning, sir.
14	Q. Why did the City of Hallsville decide to sell
15	its sewer system?
16	A. The main reason being for us to continue to
17	maintain and make the upgrades and repairs needed to our system,
18	it would prove too costly to our citizens.
19	Q. And in order to sell the City's system, what
20	kind of process did the City have to follow?
21	A. First, we had to have a public meeting 30 days
22	prior. We had to pass an ordinance to have an election, have a
23	public hearing 30 days prior to the election, and then hold an
24	election.
25	Q. And were you at that public meeting?

1	А.	The public meeting held by the City of
2	Hallsville, y	es, I was.
3	Q.	And who attended that public meeting?
4	Α.	I don't have the official minutes in front of me
5	of that meeti	ng.
6	Q.	I guess, was Missouri-American Water in
7	attendance?	
8	Α.	I believe they were, yes.
9	Q.	And are you aware if any of the representatives
10	from the Dist	rict was in attendance?
11	Α.	I believe Mr. Ratermann was as well.
12	Q.	And did Missouri-American Water speak or answer
13	questions?	
14	Α.	I can't remember off the top of my head on that
15	meeting, if e	ither the District or company, Missouri-American,
16	had an opport	unity to speak.
17	Q.	Are you aware were there any other meetings that
18	either party	had an opportunity to speak at to the public?
19	Α.	I know Missouri-American Water held two public
20	meetings at o	ur community center.
21	Q.	And are you aware if the District has held any
22	public meetin	gs?
23	Α.	I am not aware if they had any or not.
24	Q.	Were there any other bids besides the bid from
25	Missouri-Amer	ican Water?

1	A. Boone Regional Sewer District and Liberty
2	Utilities also submitted.
3	Q. And why did the City choose the
4	Missouri-American Water bid over both Liberty and the District?
5	A. I can't speak for my alderman, but the general
6	consensus is it was the best proposal for the City of
7	Hallsville.
8	Q. Does the City have a plan for what to do should
9	the Commission deny Missouri-American Water's application for a
10	CCN?
11	A. We are starting to work on that, Number 1, being
12	our rate increase to begin to have funds to begin the
13	maintenance issues, but as far as treatment moving forward and
14	our growth no, there is not.
15	Q. And that rate increase, would that be the \$38
16	flat fee?
17	A. It's Bill Number 2021-2 to be known as Ordinance
18	384. It would be raising our residential rates to a 38.75 flat
19	rate, our commercial rate to 43.75 flat rate, and then a high
20	commercial rate, which is 12,500 gallons or more, to 164.75 flat
21	rate.
22	Q. And is that rate cheaper or more expensive than
23	the current rates charged by the City?
24	A. Well, our current base rate is 19.35, plus a
25	thousand plus \$5 for a 1,000 gallons passed the first

1	thousand. It would be a reduction for just over 50 percent of
2	our customers.
3	Q. And when is that is that ordinance also going
4	to require a public vote?
5	A. No. It does not require a public vote. The
6	bill has been read first and second time, and is set to be vote
7	to become ordinance on April 12th.
8	Q. Thank you, Mayor Carter. And as part of the
9	City's initial planning for what to do if the Commission were to
10	deny the CCN, does the City have any plans to sell to the
11	District if that CCN were to be denied?
12	A. That would be up to a vote of my alderman, but
13	at this time I do not see that happening. No.
14	Q. Thank you, Mayor. I have no further questions.
15	A. Thank you.
16	JUDGE JACOBS: Thank you. We can proceed to any
17	cross-examination from the District.
18	MS. GRIFFIN: I do not have any
19	cross-examination, Judge.
20	JUDGE JACOBS: Okay. Thank you. We would now
21	take any questions from commissioners, if there are any. And I
22	do have some questions that I would like to ask the mayor and I
23	invite commissioners to interrupt me at any point if you have
24	questions that you would like to ask.
25	COMMISSIONER HOLSMAN: question in, Judge.

I'm good just having you ask that question. 1 2 JUDGE JACOBS: Okay. Thank you very much, Commissioner Holsman, and I am aware of that. Thank you. 3 Do I have any other questions that commissioners 5 wanted to ask at this time? 6 COMMISSIONER HOLSMAN: Not at this time, Judge. 7 Thank you. 8 JUDGE JACOBS: Thank you so much. 9 Okay. So I just wanted to ask just a few basic 10 kind of background questions of Mr. Carter. 11 QUESTIONS BY JUDGE JACOBS: 12 So first of all, when were you first elected 13 mayor of Hallsville? 14 Α. I was elected April of 2018. 15 Okay. And did you serve as an alderman before Ο. 16 your election as mayor? No, ma'am. I did not. 17 Α. 18 Okay. And can you just tell us a little bit 0. 19 about the governing structure of the City? How many aldermen 20 are there? 21 We have two wards with two alderman representing 22 each ward. 23 Q. Okay. So you have four aldermen and a mayor? That is correct. 24 Α. 25 Okay. And when you-all vote on something, it's Q.

1 one person, one vote? 2 Α. That is correct. Okay. And could you just remind us, how big is 3 0. 4 Hallsville? Do you know the population? On the latest census, I do not. We are 5 6 approaching 2,000 quickly, just waiting for that official census 7 to come out. 8 Q. Okay. And as mayor, what level of involvement do you have with the City's sewer system? 9 10 Α. I am in no means a wastewater expert. We have 11 our director of public works for that, but me overseeing the 12 board of aldermen, financial decisions, moving forward with it 13 would be on us. 14 Okay. There has been some discussion this 0. 15 morning about the rates that Hallsville has charged in the past 16 and apparently now there is a proposal to increase those rates. 17 You noted that for -- you said over 50 percent, apparently, of 18 your residential customers of the system, this rate change would 19 actually reduce their rates? 20 Yes. As a more than 50 percent of our residents 21 use more than 5,000 gallons a month, so it would be a rate 22 decrease for those. 23 Q. So for that proportion of the people served,

it's going to be a rate decrease, and for the rest of them, it's

24

2.5

a rate increase?

1	A. It would be a rate increase, yes.
2	Q. Okay. Because the reason that the City would be
3	proposing this is to bring in more money for the system?
4	A. That is correct. We run a very tight budget,
5	and if this was not to go through, we need to begin forward
6	thinking of having the revenue to do the projects needed.
7	Q. Okay. And can you just restate for us because
8	some of the testimony we've heard so far has been that Mr. Horan
9	wasn't able to, maybe, exactly remember what the current rate is
10	in Hallsville. So are you able to tell us exactly what the
11	current rate is in Hallsville today?
12	A. That current rate is \$19.35 for the first 1,000
13	gallon, as our base rate. For each additional 1,000 gallons
14	beyond that, it is charged \$5.
15	Q. And it's \$5 for each 1,000 additional gallon of
16	water usage?
17	A. Correct.
18	Q. And I don't know much about water and sewer, but
19	I'm pretty sure you're not actually metering sewer, so that
20	1,000 gallons is water usage?
21	A. Correct.
22	Q. Okay. And could you explain to us how
23	Hallsville comes up with that water usage number?
24	A. We meter water.
25	Q. Okay.

1	A.	And the	e customers that we do not serve, the
2	water is met	ered by Publ	lic Water Service District Number 4.
3	Q.	Okay.	And that's Boone County Public Water
4	Sewer Distri	ct Number 4	is that right?
5	A.	Public	Water Service District.
6	Q.	Public	Water Service District Number 4 of Boone
7	County?		
8	A.	Yes.	
9	Q.	Okay.	And so you have a proportion of folks in
10	Hallsville t	hat get wate	er from the Public Water District and
11	then you hav	e some that	get water from the City?
12	A.	Correct	. .
13	Q.	And I k	pelieve that water sewer rates are
14	based on wat	er usage dur	ring a certain period of the year; is
15	that right?		
16	A.	That is	s correct. We average the months of
17	January, Feb	ruary, and M	March.
18	Q.	Okay.	So it is January, February, and March
19	includes thi	s?	
20	A.	Correct	Those months' average.
21	Q.	Okay.	And that is going to determine a person's
22	sewer flat r	ate for the	whole year?
23	A.	Sewer i	rate for the year. Correct.
24	Q.	And the	en for some folks you have to go to the
25	Public Water	District ar	nd ask how much water is that customer

1	using, so we know what to charge them for sewer; is that right?
2	A. Yes. They provide those numbers for us.
3	Q. Okay. Thank you for your patience, as I go
4	through my list of questions and see what I've already asked.
5	A. That's perfect.
6	Q. Okay. So we heard we have received testimony
7	from Mr. Horan, and part of his testimony includes this
8	statement that the main holding lagoon for the Hallsville system
9	discharged continuously for most of 2020, and that was in
10	violation of Hallsville's permit. Is that accurate, sir?
11	A. It would have to be confirmed with my director
12	of public works on the exact time, but we were in discharge in
13	2020.
14	Q. And can you tell us more about what it means to
15	be under enforcement by DNR?
16	A. So that's briefly where I have a little bit of a
17	different understanding than everyone else. Under enforcement,
18	we have a consent judgment from April 16th of 2013, which we
19	have met those conditions. And under the judgment, we are
20	allowed to ask the Court to release us of that, but we were
21	under advisement of a previous city attorney to not do that.
22	Q. Okay.
23	A. And that was before my time here in the City of
24	Hallsville.
25	Q. Okay. So Mr. Horan's testimony also included

a list of recent enforcement issues with the Hallsville's 1 2 system. His testimony includes the statement that the system was cited because only one of two aerators in the primary lagoon 3 were functioning; is that correct? 5 Α. That could be correct. Yes. 6 Ο. Okay. And that the system was also cited for failing to submit a complete annual operations report as 7 8 required by its permit; is that accurate? 9 Α. I am not aware of that. 10 0. Okay. And there was also a problem with failing 11 to lower lagoon and storage basins to minimum operating levels 12 from September to November, as required under a condition of the operating permit; is that correct? 13 14 Α. That is correct. 15 Okay. So what is your understanding of the O. 16 current enforcement status of the system in relation to DNR? 17 Α. My understanding is DNR continues to watch us 18 and looks over us with a bit more of a microscope than others, 19 but I believe that we overall are in good standing with the 20 progress we've made in. 21 Okay. Are you familiar with the ordinance that Ο. 22 was passed by the Hallsville's alderman in August of 2019, 23 concerning the sale of the sewer system? 24 Yes, I am. Α.

And that was attached to Mr. Horan's testimony.

25

Ο.

1	I believe it was attached to Schedule MH-1. So I just wanted to
2	ask you a few questions about that.
3	A. Yes.
4	Q. Do you have access to it or if you needed to
5	look at it, would you be able to?
6	A. I should be able to pull it up. Yes.
7	Q. Okay. Was the purpose of that ordinance to ask
8	voters to authorize a sale specifically to Missouri-American?
9	A. That is how that was approved by our then-city
LO	attorney.
11	Q. Okay. So I noticed that the title of the
12	ordinance includes and identifies Missouri-American. Are you
L3	able to read the title of that ordinance?
L4	A. An ordinance calling for an election in the City
L5	of Hallsville, Missouri to be held on November 5, 2019, for the
L6	purpose of submitting to qualified voters of the City, a
L7	proposition to sell certain assets associated with the City's
L8	wastewater system to Missouri-American Water.
L9	Q. Okay. Thank you. And part of and aspects of
20	that ordinance, after it describes the proposition to be put to
21	voters on the ballot, also includes authority to the City to
22	negotiate a sale; is that right?
23	A. Yes, it did.
24	Q. Okay. So if Hallsville's alderman decided
25	and I'm just we're just going to assume that Hallsville would

be able to do this -- if Hallsville decided it wanted to sell 1 2 the system to a different entity, is it your understanding that Hallsville would have to propose another proposition to its 3 4 voters? 5 Α. That is not my understanding, as the ballot 6 language did not include Missouri-American Water. The ballot, 7 which was simply shall Hallsville sell the wastewater system. 8 Q. So your understanding is that the voters of 9 Hallsville have now given the alderman the authority to sell the 10 system? 11 Α. Yes, ma'am. 12 Okay. And that's even though the ordinance, Ο. 13 itself, specifically authorized the alderman to negotiate with 14 Missouri-American to sell the system? 15 That was -- that was my understanding. Yes. Α. 16 Okay. All right. And then there is a document Ο. 17 that was filed in this case on December 14th, as an attachment, 18 and has been admitted as Commissions's Exhibit 305. Were you 19 able to locate that document or did you look for it when we were 20 looking for it earlier in the hearing? 21 I did look forward it, but I was unable to find Α. 22 it. Could you share again who filed it or what exhibit it is? 23 Α. Yes. Okay. 24 So you will find this document in the EFIS 0. record for this case. Are you accessing the Commission's record 25

1	of this case?
2	A. I'm looking at
3	MR. COOPER: Judge
4	JUDGE JACOBS: Or potentially counsel might be
5	able to provide it to you.
6	MR. COOPER: Yeah, Judge, if you give me just a
7	second, I will get it to the mayor here.
8	JUDGE JACOBS: Thank you.
9	MR. COOPER: Mayor, I just hit send, so let me
10	know if it gets to your email there.
11	Again, Judge, this is the doc that you marked as
12	Exhibit 305?
13	JUDGE JACOBS: That is correct.
14	MR. COOPER: Okay.
15	JUDGE JACOBS: On the top it says, Proposal
16	offer to City of Hallsville.
17	THE WITNESS: I have pulled up that document.
18	JUDGE JACOBS: Okay. Thank you.
19	BY JUDGE JACOBS:
20	Q. So if you can take a look at that. I wanted to
21	ask you, first of all, do you recognize this document?
22	A. Yes. I've seen this document.
23	Q. Okay. And it appears that it is dated July 18,
24	2019; is that right?
25	A. Yes.

1	Q. Okay. So I wanted to ask you about the timeline
2	for the events that took place. So it would appear that this
3	document comes into the City in July of 2019, and then as you
4	have described to us, in August of 2019, the City passed an
5	ordinance, which we have been discussing that authorized the
6	sale; is that correct?
7	A. Correct.
8	Q. Okay. And I believe that that's what's
9	indicated by your testimony on Page 4. So then after that
10	ordinance passed, the City also put out a document that is a
11	request for bids. Is that and that document is actually
12	attached to some rebuttal testimony from the District. So that
13	has not been admitted into evidence or offered yet, but this
14	would be attached to Mr. Stith's rebuttal testimony as Schedule
15	DES-2. So according to the dates on those documents, the City
16	put out the request for bids in September 2019; is that right?
17	A. Yes. Our city attorney felt that we should also
18	request open for bids and not focus on one sale one potential
19	buyer.
20	Q. Okay. So the City hadn't solicited this when it
21	received this offer from Missouri-American?
22	A. Correct. I had met with them and discussed the
23	possibility with our Board over the months prior to that.
24	Q. Okay. And I just I'm clarifying this just
25	because I wanted to make sure the timeline was accurate or some

dates hadn't gotten mixed up somewhere. All right. And then, 1 2 we are in September when the request for bids goes out to -- for the City soliciting bids, but the City has already authorized 3 this proposition to go to voters in November of 2019. Right? 4 5 Α. Correct. 6 Ο. Okay. And then we have heard some testimony 7 about hearings or maybe the term would be meetings that were 8 held in Hallsville regarding the acquisition potentially of the 9 sewer system. And I just want to clarify there were three 10 different meetings held; is that right? 11 The City of Hallsville held one on October 3rd Α. 12 of 2019. 13 Okay. And then I believe your testimony -- oh, 14 I'm sorry. Mr. Horan's testimony provides the dates for two 15 other hearings. So you are aware of two additional hearings 16 that were conducted by Missouri-American? 17 Α. That is correct. 18 Okay. And then the next thing that happens is 0. 19 after the meetings are held in October, then we get to the 20 election on November 5, 2019. And there was some discussion 21 earlier today about whether we actually have any information in 22 the record regarding the actual vote in that election? 23 Α. So the certified votes from Boone County Clerk 24 was in the City of Hallsville, November 5, 2019 election; yes,

25

was 136 to no, 64.

1	Q. Okay. And did you consult something today to
2	get those numbers or are you aware if they appear anywhere in
3	this case file?
4	A. I am not aware of them being in the case file.
5	I pulled those numbers from our county clerk's results.
6	Q. Okay. So did you just go to the Boone County
7	Clerk website today or did you have them sitting somewhere?
8	A. I have them as well here in a document with me.
9	Q. Okay.
LO	A. I thought
11	Q. I'm sorry I'm sorry. I apologize. Please
L2	finish.
L3	A. I thought it might come into question, so I
L4	wanted to have it to be prepared.
L5	Q. Thank you. I appreciate that. That does answer
L6	a question that we have had today.
L7	All right. And then after this vote occurs and
L8	the majority of voters approved the sale, then it appears that a
L9	other bidders had made a proposal to buy the City I'm
20	sorry, to buy the system from the City; is that right?
21	A. Yes. So our RFPs were due on November the 1st.
22	November the 5th, the election passed. And then November 20th,
23	we had a board meeting to discuss the next steps to take in the
24	wastewater sale, which Missouri-American, Liberty Utilities, and
25	Boone County Regional Sewer District also had representatives

at, and discussed our next steps there. 1 2 Ο. Okay. And was there a session in January of 2020 concerning the sale of the system? 3 Yes. We had -- January 22nd, we had a board 5 meeting in which all three parties, Missouri-American Water, 6 Liberty Utilities, and Boone County Regional were able to 7 present their offers. 8 Q. Okay. And I wanted to clarify something about 9 your testimony there because I believe your testimony was that Missouri-American, the District, and Liberty Utilities, quote, 10 11 were given the opportunity to present their proposals. And I 12 wanted to clarify, did those entities all show up and present 13 their proposals --14 Α. Yes. 15 -- on January 22nd? Ο. 16 Yes. In person. Α. 17 Ο. Okay. And what was the purpose of that session 18 if the sale had already been approved? 19 For more understanding, the voters had voted 20 that we were allowed to sell our sewer system and we wanted to 21 do what was best by our voters and hear out all parties of their 22 offers. 23 Q. Okay. And we went to pains today to make sure that you could take a look at that proposal offer to the City of 24

25

Hallsville.

1	A. Yes.
2	Q. And I wanted to look at the rate of where the
3	rates are discussed on Page 5. Can you find that?
4	A. Yes. I am there, Judge.
5	Q. Okay. Thank you. So can you just explain to us
6	your understanding of the proposal for a flat rate and how that
7	related to what the City had been charging? And what
8	Missouri-American was proposing here?
9	A. I don't think I can speak to their thought
10	process behind their rates, other than knowing that it was the
11	rate that they charge small municipalities outside of Arnold,
12	Missouri.
13	Q. Okay. And was this I guess, a better
14	question would be: This proposal to charge Hallsville's
15	customers 38.75 as a flat rate, was that presented to the City
16	and to in these meetings before the Board, and also at public
17	meetings that the City hosted?
18	A. It was presented to the City and presented to
19	the public through Missouri-American Water's meetings.
20	Q. Okay. And I'm asking that question because the
21	Company's application to the Commission actually refers to
22	Hallsville's existing rates, but this proposal document to
23	Hallsville references a different rate, and so I am trying to
24	understand if this document represents what was represented to

Hallsville or is the presentation was, in fact, that

25

```
1
     Missouri-American was going to adopt Hallsville's existing
 2
     rates?
 3
              Α.
                      No.
                           There was no presentation to the City of
 4
     Hallsville that they would use our current rate structure all
 5
     along they've been at 38.75, as presented to the public and the
 6
     City.
 7
                      Okay. All right. Then I wanted to ask you
              O.
 8
     about the document attached to Schedule MH-2 to Mr. Horan's
9
     testimony. This, I believe, is the purchase agreement. Are you
10
     able to access that document or can Mr. Cooper provide that to
11
     you?
12
                      I am seeing if I can get through on the EFIS.
              Α.
                      Right. So it will be Mr. Horan's direct
13
              0.
14
     testimony on January 26th.
15
                      And you said it's MH-4?
              Α.
16
                      It is actually -- I believe it's MH2.
              0.
17
              Α.
                      Okay.
18
                      MR. COOPER: It is not a separate file.
19
     part of the base testimony.
20
                      THE WITNESS: Okay.
21
     BY JUDGE JACOBS:
22
                      If I can provide you a page number I will. I
              0.
23
     believe it is Page -- I'm getting there -- I believe it is Page
24
     15, according to my PDF program. It's the beginning of that
25
     document.
```

1	A. Yes. I am there, Judge.
2	Q. Okay. So is this the purchase agreement that
3	was signed by Missouri-American and Hallsville?
4	A. I'm just going through it to confirm, but yes,
5	it should be.
6	Q. And I believe that you are a signatory to this
7	document; is that right?
8	A. I'm trying to get to the end to confirm, but
9	yes. Yes, I am.
LO	Q. Thank you. All right. And then I also wanted
11	to ask you about the City's entering into agreements with the
L2	District to provide sewer services to some District customers in
L3	certain subdivisions?
L4	A. Yes.
L5	Q. Okay. And this concerns a couple documents that
L6	were previously attached to some filings in this case and have
L7	now been made exhibits. And I'm sure if you will need
18	assistance from Mr. Cooper to access these or if you can get to
L9	them directly yourself, but these were marked as commissioners
20	Commission Exhibit 303 and 304. And they are found in the
21	August 31st filing made by the Company, Missouri-American. They
22	are Appendix E and Appendix F to that pleading.
23	A. You said it was the August
24	Q. It is August 31st.
25	MR. COOPER: Judge, I also just sent send on

that, if that happens to get to the mayor before he finds it in 1 2 the other direction. JUDGE JACOBS: Thank you for your help. I 3 apologize for some of the tedium here. 4 5 THE WITNESS: You're fine. I'm here at the Appendix E and -- did you say E and F? 6 BY JUDGE JACOBS: 7 8 Q. Yes. Yes. So there should be one right after 9 it that we will be talking about. So let's start with the 10 document that is marked Appendix E. On the top, it says Bill 11 Number 2019-4. Can you tell us what that ordinance number is? 12 Α. 358. 13 Okay. And are you a signatory to this document, 0. 14 sir? 15 Α. Yes, Judge. 16 Okay. What does this document do? Ο. 17 Α. This would allow the mayor to execute a 18 cooperative agreement with Boone County Regional Sewer District 19 in regards to -- which on this one is -- the Sunnyslope 20 subdivision. 21 Okay. And, so, then following that document is Ο. 22 there a cooperative agreement that's dated January 14, 2019? 23 Α. Yes, there is. And that concerns the Sunnyslope subdivision? 24 Ο. 25 Α. Correct.

Q. All right. And what can you tell us about this
agreement? What was the purpose?
A. From my understanding, the Sunnyslope system
needed some updating and to get rid of the lagoon that is
currently on that property, just outside of the city. And there
would be a time frame in which Boone County would do upgrades to
the lines in that neighborhood and to connect to us and fill in
that lagoon.
Q. Okay. Why was the City interested in entering
into this agreement?
A. Being a good neighbor.
Q. Okay. It's providing, I suppose, some
assistance to residents?
A. They are just outside of our city limits. And
to my knowledge, that subdivision has not been yet connected.
Q. So is this a new development?
A. No, it is not.
Q. Okay. So it's an existing residential
development?
A. Correct, outside of the city.
Q. And I have been trying to figure out how many
lots are here that are potentially affected by the Sunnyslope
agreement. Do you know the answer to that question?
A. I believe off the top of my head I am going to
say there's 11 customers. You would have to confirm that with

the District. They are currently their customers. 1 2 Ο. Okay. And I believe there is a map that is 3 attached as an Exhibit A to that cooperative agreement. Did you find that? 5 Α. Yes. 6 Ο. Okay. Does that depict the number of lots? 7 That would. Α. 8 Q. Okay. 9 The larger lot, I believe, is where their lagoon Α. 10 is on that property. 11 Okay. Are there -- you said this was an Ο. 12 existing development. So are these occupied lots of people 13 living on these lots and houses requiring sewer service? 14 I can't confirm that every lot has a house on 15 it, but it -- it was existing structures in there. 16 Okay. So is it a maximum of about 11 lots that Ο. would be residential? 17 18 It looks -- there could be 14 to 15. Again, 19 this is outside of our city limits, so I don't know the correct 2.0 number. 21 And did this agreement require the District to Ο. 22 make any lump-sum payment to the City to make this agreement 23 work? 24 No. I do not believe there was a lump-sum Α. 25 payment. I'm trying to --

1	Q. Okay. Can you look at Paragraph 10 and tell me
2	what the purpose of that was?
3	A. I need to take that back. There was a one-time
4	payment.
5	Q. Do you know the amount of that payment?
6	A. It looks like it says \$5,100 to cover costs and
7	necessity.
8	Q. Okay. Could you read the sentence after that?
9	It may answer some of our questions.
10	A. This charge represents a \$300 per unit fee of 17
11	units.
12	Q. Okay. So that might tell us how many possible
13	units that are expected or exist in the subdivision?
14	A. Correct.
15	Q. Okay. Do you know if any payments have been
16	made under this agreement?
17	A. I do not recall.
18	Q. And I just I may have asked this and you may
19	have been asked this, but I just want to make sure. Do you know
20	if the City is currently providing sewer service to any of the
21	residents of Sunnyslope subdivision at this time?
22	A. My understanding is that the County Regional
23	Sewer District has not connected Sunnyslope at this time.
24	Q. Okay. All right. So we can proceed now to what
25	has been marked Commission's Exhibit 304, which I believe starts

on Page 20, and it looks like it's Bill Number 209-8. Did you 1 2 find that, sir? I'm scrolling down now. Yes, I'm there, 3 Α. Ordinance 362. 4 Thank you. And you're a signatory to 5 0. Okay. this document, sir? 6 7 Α. I am. 8 Q. Okay. And what does this document do? 9 This document gives me the authorization to Α. execute an agreement for the Silver Creek subdivision 10 11 cooperative agreement with Boone County Regional Sewer District. 12 Okay. And does the cooperative agreement appear 0. 13 on the next page? 14 It does, dated --Α. 15 I'm sorry, repeat the date, please, sir. Ο. April 8, 2019. 16 Α. 17 Ο. Thank you. And this agreement looks like it's 18 slightly different because it involves and mentions a developer 19 in addition to the District and the City? Correct. This piece of land, I believe, there 20 21 is currently only one home on it, and then he was going to 22 develop another six lots for a total of seven. 23 Q. Okay. And can you tell us what the purpose for 24 the City was of entering into this agreement? 25 And, again, to assist Boone County Regional Α.

1	Sewer District with providing treatment to their customers.
2	Q. And does this agreement call for a lump-sum
3	payment of any kind?
4	A. I believe there was. I'm going back through.
5	Q. I think you'll Paragraph 10 might help you.
6	A. Yes. The amount of said payment shall be \$4,200
7	representing a one-time connection charge. This charge
8	represents \$600 per unit fee for seven units.
9	Q. Okay. And do you know if that fee, lump-sum fee
LO	or any fee has been paid under this agreement?
11	A. I would have to look back at records to see.
12	Q. Okay. Do you know if anyone is receiving
13	service in the I believe this is the Silver Creek
L4	subdivision; is that right, that this pertains to?
15	A. Yes. There are residents or individuals
L6	receiving service in Silver Creek.
L7	Q. Do you know how many lots are receiving service
L8	from the Hallsville sewer system?
L9	A. I believe that number is three in that
20	neighborhood.
21	Q. Okay. And once again, these are lots that are
22	outside the city limits?
23	A. Correct.
24	Q. And they are District customers?
25	A. Correct.

1	Q. 01	kay. This cooperative agreement also appears
2	to have a map attac	ched to it?
3	A. Ye	es, Judge.
4	Q. 01	kay. So it looks like your testimony today is
5	about three lots in	n the Silver Creek subdivision are currently
6	receiving service	from the City of Hallsville sewer system. And
7	you weren't sure i	f any of the Sunnyslope lots are receiving
8	service at this time	me?
9	A. Co	orrect. From my understanding, Sunnyslope has
10	not been connected	
11	Q. 01	kay. So I asked several questions about these
12	two agreements. Is	s there anything else that you would tell me
13	about those agreeme	ents or you think the Commission should
14	understand?	
15	A. No	o. I believe they're thorough. It was us
16	doing our part to l	be a good neighbor to the District.
17	Q. Ai	nd that reminds me of, actually, another
18	question I wanted	to ask about both of these agreements. Do you
19	happen to recall th	he term under each agreement, how long these
20	were supposed to be	e in place?
21	A. I	do not recall off the top of my head. I can
22	review it the docum	ment.
23	Q. 01	kay. It looks like Paragraph 16 might have
24	that information in	n it.
25	A. T	he initial term shall be 20 years beginning on

1 the date first shown on this agreement. Thereafter, this 2 agreement shall automatically be renewed for a -- five -- term of five years unless it is terminated pursuant to the provisions 3 4 of this paragraph. 5 0. Okay. And does it appear that that's the same 6 provision in both agreements, essentially? 7 Yes, it does. Α. 8 Q. Okay. Are there -- have there been any efforts 9 by the City to annex either Silver -- I want to say Silver Creek, but I might be making that up. Could it be Silver Star? 10 11 Α. Silver Creek is --12 Silver Creek and Sunnyslope, have either -- has Ο. 13 the City made any efforts to annex those? 14 Α. Silver Creek is not contiguous with our border, 15 so we are unable to annex that property. 16 Ο. Okay. 17 With Sunnyslope, a forced annexation is never a 18 good thing. It would be up to the residents to willingly annex, 19 and we have -- we have not proceeded with anything of that 20 nature. 21 Okay. So there's no pending issue of Ο. 22 annexation. 23 Α. Correct. 24 JUDGE JACOBS: Okay. Thank you. So those were 25 the questions from the bench at this point. Once again, if

1	commissioners have any questions that they wanted to ask of the
2	mayor, the floor is open for those now.
3	Okay. We can proceed, then, to recross and we
4	may always be interrupted by commissioners if they so desire.
5	Please proceed, Staff.
6	MR. PRINGLE: No recross, Judge. Thank you.
7	JUDGE JACOBS: Thank you.
8	And anything from the District?
9	MS. GRIFFIN: No, Judge. Thank you.
10	JUDGE JACOBS: And did Mr. Cooper, did you
11	have any redirect?
12	MR. COOPER: Yes, Your Honor, briefly.
13	JUDGE JACOBS: Thank you. Please, proceed.
14	REDIRECT EXAMINATION BY MR. COOPER:
15	Q. Mayor, you were you provided a couple times
16	information related to or you mentioned the city attorney
17	that was advising Hallsville during the course of this sort of
18	election and RFP process. Do you remember that?
19	A. Yes, sir.
20	Q. Who was that attorney?
21	A. City attorney at the time was John Whiteside.
22	Q. Is it your understanding that Mr. Whiteside has
23	also represented at times the Boone County Regional Sewer
24	District?
25	A. My understanding is John Whiteside is the

1	general counsel for Boone County Regional Sewer District.
2	Q. You had mentioned in regard to a question that
3	in your opinion a sale to a different entity, other than
4	Missouri-American, would not require a separate vote of the
5	public. Correct?
6	A. That's correct.
7	Q. And I assume that you don't offer that opinion
8	as an attorney, but just as your own personal understanding.
9	Correct?
10	A. That is how it was presented from our then-city
11	attorney, John Whiteside.
12	Q. And again you the City currently has no
13	contract to sell its sewer system to the District, does it?
14	A. There is no such contract to sell to the
15	District.
16	Q. You were asked what the City would do if
17	Missouri-American did not purchase the sewer system, the
18	Hallsville sewer system. Am I correct that you said that the
19	City really doesn't have a plan for how it would address the
20	treat issues in that circumstance?
21	A. That is correct. Not at this time.
22	Q. And I assume you also would not have a plan for
23	how to address any financing that would be necessary to address
24	those problems; is that correct?
25	A. Not at this time, sir.

1	MR. COOPER: I believe that is all the questions
2	I have, Your Honor.
3	JUDGE JACOBS: Thanks. I have a wondering mouse
4	and I could not find my mute button.
5	All right. So I did want to ask if perhaps it
6	would be possible for Missouri-American to provide for
7	Mr. Carter whatever certified documents or copy of certified
8	documents from the Boone County Clerk's Office or perhaps Boone
9	County election in regard to that November 5, 2019 election, so
LO	we don't have to rely solely on statements in the transcript?
11	Would it be possible for that document to be
L2	filed as a late-filed exhibit by April 12th in this case?
L3	MR. COOPER: Judge, we are certainly willing to
L4	do that. I'll have to get further into it before I know whether
15	April 12th is a doable date, but certainly we will strive to do
L6	that.
L7	JUDGE JACOBS: Okay. So if April 12th doesn't
18	work, then I would ask that you file something just letting us
L9	know what your timeline looks like. And then and then you
20	could file it promptly as soon as it were possible. It sounds
21	like Mr. Carter has some kind of document that he has been able
22	to refer to?
23	THE WITNESS: Correct.
24	JUDGE JACOBS: Does anyone have an objection to
25	that document being admitted to the record? Obviously, once we

1	actually see it, there will be an opportunity to object to the
2	actual document itself once we've seen it.
3	(WHEREIN; Exhibit 8 was offered into evidence.)
4	MR. PRINGLE: No objection, Judge, but I do have
5	in the alternative, I have found an article from the Missourian
6	that has the exact same numbers as well in a case that probably
7	rises with the Boone County Clerk.
8	JUDGE JACOBS: Thank you. I hope the Boone
9	County Clerk can provide what is needed. And in the event that
LO	that isn't possible, then we will rely on the good old
11	Missourian. Okay? Thank you.
L2	All right. So I believe that that was all the
L3	questions that anyone had for Mr. Carter before we move on. I
L4	would just give an opportunity for anything else that has come
L5	up.
L6	All right. So it appears that we have heard
L7	from Missouri-American's witnesses. We've talked about the
L8	possibility of this late-filed exhibit to give as a document to
L9	refer to with the election results for the vote on the
20	preposition to sell the Hallsville system. As I said before,
21	I'll ask that Missouri-American provide that.
22	First, I should say thank you, Mayor Carter for
23	appearing today, and I'm asking witnesses to remain available
24	during the hearing in case we have to recall you, but hopefully,
25	that won't be the case.

1	So the whatever document is filed by
2	Missouri-American to verify the results of that election, that
3	would be Missouri American's Exhibit 8, if I'm keeping track.
4	Okay. So it looks like we can move on and get
5	started with a Staff witness before we go to lunch. Give me one
6	moment to check my email and we'll get right back to get
7	started. Actually, this is what I'm going to propose. I'm
8	going to take a quick recess until 11:15 to reorganize
9	ourselves, and then we'll get started with Staff's witnesses, if
10	that's okay with everyone. Okay.
11	We are in recess until 11:15. Thank you so
12	much.
13	(OFF THE RECORD.)
14	JUDGE JACOBS: Now we are genuinely back on the
15	record. This hearing is SA-2021-0017. And we will be getting
16	started with Staff's witnesses, and we will start with
17	Mr. Busch.
18	So, Mr. Busch, I can see you, sir. If you could
19	speak to us now and we'll make sure you have a good connection?
20	MR. BUSCH: Good morning, Judge.
21	JUDGE JACOBS: Good morning. I can hear you.
22	So if you want to raise your right hand, I'll get you sworn in.
23	(Witness sworn.)
24	JUDGE JACOBS: Thank you very much, sir.
25	Mr. Pringle, you may proceed.

1		MR. PRINGLE: Thank you, Judge.
2	JAMES BUSCH, hav	ing been first duly sworn, testifies as follows:
3	DIRECT EXAMINATION	ON BY MR. PRINGLE:
4	Q.	Good morning, Mr. Busch.
5	A.	Good morning, Mr. Pringle.
6	Q.	Please state and spell your name for the court
7	reporter.	
8	A.	My name is James Busch, and Busch is spelled
9	B-U-S-C-H.	
10	Q.	Mr. Busch, by whom are you employed and in what
11	capacity?	
12	A.	I am the regulatory manager of the Water and
13	Sewer Department	for the Missouri Public Service Commission
14	Q.	Now, are you the same James Busch who
15	contributed to S	taff's recommendation to grant CCN marked here
16	as Staff Exhibit	100?
17	A.	I am.
18	Q.	And do you have any additions or corrections
19	regarding correct	ted direct testimony of James Busch Exhibit
20	Number 100?	
21	A.	I do not.
22	Q.	And if I were to ask you the questions contained
23	in Exhibit 100,	would your answers be similar or substantially
24	similar today as	those contained herein?
25	Α.	They would.

```
1
              Ο.
                      Are those answers true and correct, to the best
 2
     of your knowledge and belief?
 3
              Α.
                      They are.
 4
                                    Thank you, Mr. Busch.
                      MR. PRINGLE:
                      At this time, Staff moves to enter Staff Exhibit
 5
     100 into the record.
 6
 7
                      (WHEREIN; Exhibit 100 was offered into
 8
     evidence.)
 9
                      JUDGE JACOBS: Okay. Thank you.
10
                      And just to make sure that we are very clear, we
11
     are talking about a corrected direct testimony of Mr. Busch,
12
     which Mr. Pringle circulated to all of the parties, that's been
13
     marked as Staff Corrected -- I'm sorry, that's been marked as
     Staff's Exhibit 100.
14
15
                      Does anyone have any objections to that being
     admitted to the record? Okay.
16
17
                      Hearing no objections, Staff's 100 will be
18
     admitted into the record.
19
                      (WHEREIN; Exhibit 100 was received into
20
     evidence.)
21
                      JUDGE JACOBS: And we can proceed to any
22
     cross-examination, starting with the Company.
23
                      MR. COOPER: Thank you, Judge.
     CROSS-EXAMINATION BY MR. COOPER:
24
25
                      Mr. Busch, would you describe the Hallsville
              Ο.
```

1	sewer system to be a small system?
2	A. Yes, I would, sir.
3	Q. Would you consider it to be a troubled system,
4	given its environmental compliance issues?
5	A. I think it is fair to say that it has
6	environmental issues.
7	Q. Now, you sponsored the Staff's recommendation in
8	this case, that the MAWC application be approved. Correct?
9	A. Correct.
10	Q. In your role as regulatory manager of the
11	Commission's Water and Sewer Department, have you previously
12	been involved in small water and server systems acquisition
13	cases?
14	A. Yes, I have.
15	Q. Would you have a guess as to how many?
16	A. I have been the manager since February of 2008,
17	so 13 years. Probably fair to say we do, maybe, four or five a
18	year. So, you know, that is, what, 13 years times five. Maybe,
19	approximately 60, maybe more.
20	Q. In your experience, does a feasibility study for
21	a small water or sewer system that's being acquired generally
22	show a positive income in early years?
23	A. Generally, they don't. It is my experience that
24	most of our small systems, be they a regulated system or an
25	unregulated system, the rates are generally not high enough or

1	sufficient enough to allow for any sort of profit or positive
2	income in a feasibility study.
3	Q. And in that situation, is that that lack of
4	positive income likely to continue until a future rate case?
5	A. Yes. Yeah.
6	Q. If you know, has Missouri-American in the past
7	been permitted to pursue rate cases on a system-by-system basis?
8	A. I am not familiar. I've worked with
9	Missouri-American rate cases since 2000, and I am not aware of
10	any Missouri-American rate case that was for a specific system.
11	They were always for all of the separate districts at the same
12	time. And Staff would very much frown upon Missouri-American
13	coming in for an individual system rate case.
14	Q. So if Missouri-American ultimately purchases and
15	then makes improvements to the Hallsville system, would you
16	agree that it will not be able to raise rates on that system on
17	a system-specific basis?
18	A. They would have to come in for a general rate
19	increase which would include all of the other service areas that
20	Missouri-American provides service to.
21	Q. And that general rate case, would it be true
22	that any improvements to the Hallsville system would be examined
23	for a possible recovery to include the prudence of those
24	improvements?
25	A Yes Any improvements that are done by a

1	utility regulated by the Public Service Commission, we would
2	viewed those for the prudency of those decisions.
3	MR. COOPER: That is all the questions I have at
4	this time, Your Honor. Thank you.
5	JUDGE JACOBS: Thank you. Do we have any
6	questions from the District?
7	MS. GRIFFIN: Yes. Thank you, Judge.
8	CROSS-EXAMINATION BY MS. GRIFFIN:
9	Q. Mr. Busch, would you agree that the entirety of
10	Hallsville's wastewater treatment system is located outside the
11	city limits in unincorporated Boonville?
12	A. It's my understanding that they are the
13	wastewater treatment facility is located outside the city limits
14	of Hallsville and Boone County.
15	Q. And would you agree that that is an
16	unincorporated area of the county?
17	A. That would be my understanding.
18	Q. And would you agree that so long as the City of
19	Hallsville owns and operates its system that that system would
20	be classified as a municipal sewer system?
21	A. I'm could you repeat that, please?
22	Q. Sure. Would you agree that as long as the City
23	owns and operates that system, that the system would be
24	classified as a municipal sewer system?
25	A. My understanding would be a municipal system,

Τ	yes.
2	Q. Would you also agree that if Missouri-American
3	is authorized by this commission to consummate its purchase of
4	the Hallsville wastewater system, the system will no longer be a
5	municipal system following the consummation of that purchase?
6	A. The system will no longer be owned by a
7	municipality. It will be owned by a private entity.
8	Q. So would you agree that in that instance it
9	would no longer be classified as a municipal system?
10	A. I'm not exactly 100 percent sure what you
11	where you get a classification of municipal system. So not
12	knowing exactly how that classification goes, but it would not
13	be a municipal system or owned by a municipal system owner.
14	Q. Thank you.
15	MS. GRIFFIN: I have nothing further.
16	JUDGE JACOBS: Okay. The floor is now open for
17	any questions from commissioners. I will have a few questions
18	to ask and then, of course, as I have said before, commissioners
19	can always interrupt me.
20	QUESTIONS BY JUDGE JACOBS:
21	Q. So I just had a question for you, Mr. Busch,
22	just starting with a that is attached to Mr. Horan's testimony,
23	his direct testimony, as Schedule MH-3. I don't know if you are
24	able to look at.
25	A. I am looking for that now, Judge. You said

1	MH-3?
2	Q. I believe it is MH-3.
3	A. I am looking at it.
4	Q. Okay. Then my understanding from reading
5	Staff's recommendation was that Staff was not satisfied with the
6	map that was initially provided with Missouri-American's
7	application; is that right?
8	A. I think that is correct.
9	Q. And do you know if this map attached with
LO	Mr. Horan's testimony addresses all of Staff's concerns about
11	the depiction of the area to propose for to be certificated
L2	or any of the other concerns Staff would have had?
L3	A. I believe so, but Staff Expert Williams may be
L4	better to answer that question completely.
L5	Q. Okay. Thank you.
L6	I would like to ask you about your understanding
L7	of a feasibility study, which is required to be provided with an
18	application for a certificate. What is your understanding of
L9	whether a feasibility should or must include information about
20	any improvements that a new operator might need or want to make
21	into the system?
22	A. I am not familiar with that level of detail
23	required in our feasibility studies.
24	Q. Okay. We have heard some testimony today
25	indicating that Missouri-American has proposed to apply to the

1 Hallsville system one of the flat rates that it has established 2 under its tariffs. Staff's recommendation actually discusses the information provided in Missouri-American's application, 3 which restated the City's current rates for sewer service. 4 5 Can you explain to the Commission whether Staff 6 has any concerns about the disparity between what was stated in 7 the application, the information that was provided in the 8 feasibility study, and the testimony as far as, apparently, a proposal to increase Hallsville's rates to match a Missouri flat 9 10 rate? 11 Α. I don't believe that Staff had any issue with 12 the -- what was in the feasibility study and what was in the application. As has been mentioned before, the current rates 13 for the City of Hallsville, as I understand them, and the 14 15 Missouri-American current tariff rates for a system that 16 Hallsville would be a part of, are very similar. It is slightly 17 less. Missouri-American rates are slightly less if a customer 18 uses 5,000 gallons. It will be slightly more if a customer uses 19 4,000. So, you know, it's probably -- it's a good approximation but I think Staff went ahead and recommended that the City of 20 Hallsville's current rates continue. 21 22 From my perspective, it's new information that 23 the City of Hallsville is proposing to increase its sewer rates 24 to 38.75, and then that may be the rate going forward. I don't 25 think that I'm in a position right now, today, to speak on

behalf of Staff because we have not had a chance as an entire staff to think through what we have heard today to make a good recommendation to the Commission.

- Q. So I just wanted to clarify so the Commission understands exactly what the application included. Didn't Missouri-American's feasibility study in this case always include the 38.75 figure?
- A. The feasibility study did, but I believe their application stated that they were going to keep rates the same. My -- my assumption would be, and Staff Expert Young, he reviewed the feasibility studies, so he can correct me later if my understanding is wrong, but since its volumetric rate that is currently in effect for the City of Hallsville, for Missouri-American to do a feasibility study they would have to come up some level of monthly income. So based upon what the current rates are for Hallsville, like I said, if a customer uses 4,000 gallons it's right around \$34. If they use 5,000, it's around \$39. So 38.75 is probably a good proxy as an average for all those customers for the feasibility study instead of having different rates, or different monthly rates for the citizens.
- Q. You may not know the answer to this question.

 But I will ask: In your experience, have you seen applications where a company asks for a certificate and proposes to adopt the rates being used by the system at that time?

1	A. We see that. It really depends on each
2	situation, and generally speaking, if the current rates that the
3	existing system is charging its consumers is lower than the
4	purchasing company's tariff rates, Staff usually recommends that
5	we that the rates do not change because of the acquisition.
6	Q. So which rates don't change; the rates of the
7	acquired system?
8	A. Right. The current rates. The customers
9	Staff's philosophy has been that the rates to the current
10	customer should not increase solely due to the fact that it's
11	being purchased by another entity.
12	Q. Okay. So proposing to acquire a system and keep
13	rates stable for the customers of that system, that would be
14	typical of an application?
15	A. It is. Yeah, typical is probably a good word.
16	Q. And in this case, what we have received now is
17	testimony that the Company is proposing to just adopt the rates,
18	whatever they are, at the time the system is acquired,
19	understanding that apparently there is a move to increasing
20	rates?
21	A. That's
22	Q. Does Staff, in order to do its recommendation to
23	Commission, want an application to say exactly what rates are
24	going to be if the certificate is granted?
25	A. I mean, Staff you know, we need to see what

the Company's proposal is, but ultimately, Staff will -- we'll review it. We will review the current rates. We will review the tariff rates, and then we will make our recommendation based on that.

- Q. Okay. And I have to go back and clarify something. In this case, the Company said that we are going to adopt the system's rates that we would like to acquire, and these are the system's rates. And, typically, just to make sure I understand your testimony, typically, Staff would recommend that the current rates be used rather than adopting the acquiring company's rates?
- A. If those rate are below, yes. If the rates are above, then we would recommend going with the company's tariff rates, so a rate decrease.
- Q. I see. Okay. And is that a preference for a rate that has been set in a rate proceeding or is it just a preference to not approve an acquisition and have people's rates go up?
- A. It's preference to not -- for the customers not to see a rate increase.
- Q. Okay. All right. So I would like to ask you about one of the conditions that have been proposed by Staff in Staff's recommendation. And this condition concerns the effort to ensure service to the District customers, and the Silver Creek and Sunnyslope subdivisions under the agreements with

Hallsville.

As I read Staff's recommendation, the recommendation is to require the Company, once it gets its operating permit from DNR, to initiate negotiations with the District to provide that service. And then when Staff elaborates on the condition, the explanation seems to be that if they -- apparently, if those required negotiations don't result in an agreement, then that would be considered a violation of the certificate.

So the question that I have about that is: Can you explain the purpose of this, why wouldn't the requirement simply be to provide the service under the existing terms rather than telling folks that they need to negotiate?

- A. Probably -- Staff probably phrased it the way that we did because Missouri-American had indicated -- or we read where Missouri-American indicated that they were not held to that agreement itself. And so we felt that since, you know, Missouri-American is not the City of Hallsville that it would be better to have a new negotiated contract between the actual entity that is operating the system rather than just taking over a contract that may or may not provide -- prove unsuitable for Missouri-American and the District.
- Q. And so then that's when I get around to asking what the intent was. Because when it's explained, it is explained as if the intent is to make sure that these customers

in these two subdivisions continue to have service. And so if that's the purpose, can that result be reached by requiring negotiations?

A. We believe so, yes.

- Q. And can you explain to me why Staff is concerned about making sure that those District customers still have sewer service available through Hallsville?
- A. Well, you want to make sure that those consumers who are living in that area continue to receive service.

 Ultimately, if the District is capable of providing service to the customers themselves, in a safe and adequate manner, I think Staff would be comfortable with that as well. So we just want to make sure that as it sets up currently, that no customer will lose service simply because of this transaction.
- Q. Okay. So I think that the Staff's recommendation provides that ensuring continued service for the customers in question is essential for the requested CCN to be necessary and convenient for the public service. So if the Commission were to conclude that for whatever reason it doesn't want to condition a certificate on service of those customers, is Staff recommending that the Commission would not be able to find that the certificate is necessary and convenient for the public service? I'm trying to figure out how essential this issue is under Staff's recommendation?
 - A. I apologize, Judge. There was a lot in

1	question. So I'm going to rephrase it to make sure I understand
2	exactly what you are asking me. If the Commission decides to
3	approve the transaction, and they want to exclude that
4	recommendation is that the first part of what you are asking?
5	Q. Right. Because it seems the Staff's
6	recommendation seems to take the position that this is actually
7	necessary for a necessary and convenient finding. So I am
8	trying to figure out if that was really what was intended there?
9	A. Well, that well, that was our intent. If the
10	Commission does decides that they want to not include one of
11	those conditions, but they still find that it is in the public
12	interest, that is the Commission's decision.
13	Q. Do you happen to have updated information about
14	how many households are currently receiving service in those
15	subdivisions from Hallsville?
16	A. I have no more information than what the mayor
17	provided earlier today.
18	Q. Okay. And then just one other question on this
19	point. Is there a reason why Staff recommends that those
20	negotiations would have to start after a permit is issued by
21	DNR?
22	A. I believe that we put that in there because if
23	DNR does not give them an operating permit, there would be no
24	need for Missouri-American to have an agreement with the
25	District

1	Q. Okay. Then I wanted to ask you a question about
2	just to make sure that we are all on the same page about the
3	basic facts. It appears from previous testimony that the
4	some customers in Hallsville receive water service from the
5	Public Water Supply District Number 4. Is Staff aware of that?
6	A. I don't know if the rest of the Staff is aware
7	of it. I found that out today.
8	Q. Okay. Okay. And then I think that those are
9	all of the questions that I had for you, Mr. Busch, and I
10	appreciate your patience with me. I may have a couple more.
11	A. And if I may, Judge, based upon that information
12	and finding out that all the water is not provided by
13	Hallsville, that may influence, at least my recommendation, to
14	Staff that going with a flat 38.75 might be better because it
15	may be more difficult for Missouri-American to obtain the water
16	readings from the water District.
17	Q. Right. So as we developed before, Hallsville
18	presently has to go to the Public Water Supply District and get
19	that usage information. And so Missouri-American would also
20	have to do that if they wanted to use a volumetric system?
21	A. That is correct.
22	Q. Okay. All right. And I just need to clarify
23	this point for you, just to make sure that it's clear. If the
24	Commission didn't require that service be provided to the
25	residents of the Silver Creek and Sunnyslope subdivisions, would

Staff still support a Commission order to grant a certificate on 1 2 those terms? It is Staff's job to support all Commission 3 Α. 4 orders. 5 0. Would Staff recommend that the Commission grant a certificate if the certificate didn't include a condition that 6 7 either required negotiation to ultimately provide service to 8 residents of those two subdivisions or required the Company to 9 comply with obligations under the current agreements on the same 10 terms? 11 Α. Well, I -- that's a very difficult question, and 12 it would be -- I mean it's Staff's recommendation that that be 13 included, and it would be my thought that is a necessary 14 condition. Since that is something that has just been posed to 15 me, that is a pretty significant change that I think Staff would 16 really want to talk about internally. 17 0. And I apologize for having to just toss that at 18 you today, and I appreciate you're doing your best with that. 19 And, hopefully, with posthearing briefing or further 20 developments here, that can be clarified. 21 JUDGE JACOBS: Okay. Once again the floor is 22 open to any questions from the Commission. And I will also ask for any recross at this time. Is there any recross from 23 Missouri-American? 24

MR. COOPER: No, Your Honor.

2.5

1	JUDGE JACOBS: And does the District have any
2	further questions for Mr. Busch?
3	MS. GRIFFIN: No, Your Honor.
4	JUDGE JACOBS: And Mr. Pringle, did you want an
5	opportunity for redirect?
6	MR. PRINGLE: Yes, Judge, real quick.
7	REDIRECT EXAMINATION BY MR. PRINGLE:
8	Q. Mr. Busch, regarding the condition you were
9	discussing with Judge Jacobs about from a recommendation, are
LO	those customers we discussed, are they customers of the City of
L1	Hallsville?
L2	A. No, they are not.
L3	Q. Are they simply direct customers?
L4	A. They're it's my understanding that they are
L5	customers of the District and that the City is providing a
L6	wholesale service.
L7	Q. Yeah. Thank you for correcting what I said. I
L8	said "direct", I meant District. Thank you, sir.
L9	MR. PRINGLE: Nothing further.
20	JUDGE JACOBS: Okay. Thank you very much. I
21	think that what we will do and thank you, Mr. Busch. I have
22	asked that all witnesses remain available during the hearing to
23	the degree reasonably possible. If that is a problem for you
24	today, please ask Mr. Pringle to let us know. So thank you for
25	your testimony. You are excused at this time.

1	It is 11:45. So rather than starting with
2	another witness, I would propose that we would break for lunch
3	until 1:00. Does that work for everyone? Okay.
4	So we will all reconvene at 1:00, and we will
5	pick up at that time with Mr. Robertson. We are now in recess.
6	I thank you all.
7	(OFF THE RECORD.)
8	JUDGE JACOBS: Okay. It's now 1:00, and we will
9	go back on the record in our hearing today in SA-2021-0017. I
10	believe where we left off was to get started with
11	Mr. Robertson's testimony. Before we do that, I wanted to
12	mention that I did have a chance to take a look at the document
13	that Mr. Cooper circulated.
14	Does anyone else have any comment on that
15	document or any concerns about it? I didn't see any reason why
16	it wouldn't be adequate to help us establish the vote in regard
17	to the Hallsville sewer system. Does anyone have any concerns?
18	Okay. My understanding is that that would be
19	filed as Missouri-American Exhibit 8, and I would just ask that
20	that be filed by the 12th, if possible.
21	Did you have any other comments or questions
22	about that, Mr. Cooper?
23	MR. COOPER: I do not.
24	JUDGE JACOBS: Okay. Thank you so much.
25	Does anyone have any other preliminaries before

```
we get started with Mr. Robertson? Okay. So I believe I have
 1
 2
     spotted Mr. Robertson here on my screen.
                      And if you would speak up for a minute and we'll
 3
 4
     make sure we can hear you.
 5
                      MR. ROBERTSON: Good afternoon, Judge.
 6
                      JUDGE JACOBS: Okay. Good, we're able to hear
 7
     you. Could you raise your right hand, sir?
 8
                      (Witness sworn.)
 9
                      JUDGE JACOBS: Thank you very much, sir.
10
                      Mr. Pringle, you may proceed.
11
                      MR. PRINGLE: Thank you, Judge. And, also, I
12
     apologize. This is my cat who keeps jumping on my shoulders.
13
     She was good all morning, but now something changed.
                      JUDGE JACOBS: You will be forgiven.
14
15
                      MR. PRINGLE: Thank you, Judge.
16
     JARROD ROBERTSON, after being first duly sworn, testifies as
     follows:
17
18
     DIRECT EXAMINATION BY MR. PRINGLE:
19
                      Good afternoon, Mr. Robertson?
              Q.
20
              Α.
                      Good afternoon, Mr. Pringle.
                      Can you please state and spell your name for the
21
              0.
22
     court reporter?
23
              Α.
                      Jarrod Robertson. That's J-A-R-R-O-D
24
     R-O-B-E-R-T-S-O-N.
25
              Q.
                      And, Mr. Robertson, by whom are you employed and
```

```
what capacity?
 1
 2
              Α.
                      I'm a data research analyst with the Missouri
     Public Service Commission.
 3
                      And are you the same Jarrod Robertson who
 5
     contributed to Staff's recommendation to grant CCN previously
     entered into the record as Staff Exhibit 100?
 6
 7
              Α.
                      I am.
 8
              Q.
                      Did you also call out to prepare the surrebuttal
 9
     testimony of Jarrod Robertson premarked as Staff Exhibit 101?
10
              Α.
                      Yes.
11
                      Do you have any additions or corrections
              Ο.
12
     regarding your surrebuttal testimony at this time?
13
                      I do not.
              Α.
14
              0.
                      If I were to ask you the questions contained in
15
     Exhibit 101, would your answers be similar, or substantially
16
     similar, today as those contained herein?
17
              Α.
                      Yes.
18
              Ο.
                      Are those answers true and correct, to the best
     of your knowledge and belief?
19
20
              Α.
                      Yes.
21
                      Thank you, Mr. Robertson.
              0.
22
                      MR. PRINGLE: Staff moves to enter Staff Exhibit
23
     101 into the record.
24
                      (WHEREIN; Exhibit 101 was offered into
2.5
     evidence.)
```

```
JUDGE JACOBS: Thank you very much.
1
 2
                      Is there any objection to Staff's Exhibit 101,
     which is Mr. Robertson's surrebuttal testimony?
 3
                      Okay. Staff Exhibit 101 will be admitted to the
 5
    record.
                      (WHEREIN; Exhibit 101 was received into
 6
 7
    evidence.)
 8
                      JUDGE JACOBS: I believe we might be getting a
 9
     little bit of an echo from Mr. Robertson's line. So I'll ask
10
    Mr. Pringle to mute in case that is the source of that echo.
11
                      MR. PRINGLE: Not a problem.
12
                      JUDGE JACOBS: Thank you.
13
                      Okay. So any cross-examination from
14
    Missouri-American?
15
                      MR. COOPER: No, Judge. Thank you.
                      JUDGE JACOBS: And from the District?
16
17
                      MS. GRIFFIN: Yes. I have a few questions.
18
                      JUDGE JACOBS: Please, proceed.
                      MS. GRIFFIN: Thank you.
19
20
     CROSS-EXAMINATION BY MS. GRIFFIN:
21
                      Mr. Robertson, is it a fair assessment or
              Ο.
22
     statement from your testimony that you evaluated Mr. Ratermann's
23
     concern, the District's concerns, about the issue of continuing
24
     authority?
2.5
              Α.
                      Yes.
```

1	Q. Did you or any other staff, to your knowledge,
2	perform any evaluation of the boundaries of the Boone County
3	Regional Sewer District outside of the continuing authority
4	issue?
5	A. Could you rephrase that again. I'm concerned
6	that you're asking about service area boundary or something
7	beyond that.
8	Q. Well, there was some testimony and it's
9	addressed in the Staff report about whether what the
LO	District's boundaries are for purposes of the Level 2 continuing
L1	authority. And my question is: Outside of that context,
L2	boundaries of the District's Level 2 continuing authority, did
L3	you or any other person on staff, to your knowledge, evaluate
L4	boundaries of the actual sewer district which it was a
L5	voter-approved district in terms of its service area?
L6	A. Not that I am aware.
L7	Q. And, so would it be fair to say that the
L8	evaluation of boundaries was limited to what the boundaries are
L9	for purposes of the District's Level 2 continuing authority?
20	A. Can you state that question again, please?
21	Q. Sure. I'm just trying to establish that the
22	only boundaries relating to the District that factor into
23	Staff's analysis were boundaries of where it could exercise its
24	Level 2 continuing authority approved by the Missouri Clean
25	Water Commission?

I may not be understanding the question 1 Α. 2 correctly in that in reviewing the application in front of us, Staff reviewed the service area boundaries as related to the 3 City. And then are you asking me further information related to 4 5 continuing authority? 6 Ο. Well, I'm asking, as I mentioned a moment ago, 7 there is a discussion in the Staff's investigation report about whether the District's Level 2 continuing authority boundaries 8 9 include incorporated areas of Boone County. And my question is: 10 were those, for purposes of boundaries of the District and what 11 the Staff considered in its investigation, were the only 12 boundaries of the District that were evaluated Level 2 13 continuing authority boundaries versus the District's entire service area, as approved by the voters of Boone County, when it 14 15 was formed and approved and created as a public sewer district 16 under Chapter 204. 17 Α. Correct. 18 0. Okay. And do you agree that the District's 19 Level 2 continuing authority includes unincorporated areas of 20 Boone County? 21 Are you asking me to speak on DNR regulations, 22 which I am not an expert on? 23 Q. Okay. Did you form any opinion in your capacity

of being a staff member of this commission, as to whether the

District's Level 2 continuing authority includes unincorporated

24

25

1	areas	of	Boone	County?

2.5

- A. I believe that is more open-ended. We did not come to the conclusion. We left that as a posed question, in that we are not in a place to make such determinations.
- Q. Okay. Thank you. And in conducting Staff's investigation, did you or to your knowledge any member of the staff evaluate any of the Boone County Regional Sewer District's regulations?
 - A. No.
- Q. I heard some testimony earlier today from Mr. Busch about whether the Staff concluded that the condition proposed and recommended by Staff that Missouri-American negotiate -- initiated negotiations with the District for new contracts for the Sunnyslope and Silver Creek subdivisions within 30 days of receiving its operating permit from DNR, whether it was the Staff's opinion that that condition was essential for the requested CCN to be necessary and convenient for the public service.

And my question to you is: Does Staff believe that requiring that condition on the grant of the CCN is essential for the requested CCN to be necessary and convenient for the public service?

A. Continue service for those customers would be essential, yes.

MS. GRIFFIN: I don't have anything further at

1	this time.
2	JUDGE JACOBS: Because that was somewhat
3	jumbled, Mr. Robertson, I'm going ask you to restate your answer
4	to that question. It was the audio.
5	THE WITNESS: Continued service for the Staff,
6	yes.
7	JUDGE JACOBS: Thank you very much.
8	I'm going to let the Commission know that if the
9	commissioners have any questions, we can take those now. I do
LO	have a couple of questions to ask Mr. Robertson.
11	QUESTIONS BY JUDGE JACOBS:
L2	Q. First of all, I know that there is an attachment
L3	Schedule JJR-2 JJR-s1 to your testimony. It did talk about
L4	your work experience, but it does not seem to include your
L5	educational background. Could you describe your educational
L6	background for us, sir?
L7	A. I have undergraduate degree in biology from the
L8	Columbia College in Columbia, Missouri.
L9	Q. So do you have a bachelor's degree, an
20	associate's degree. What is your level?
21	A. Bachelor's, I'm sorry. Bachelor's degree.
22	Q. So that was a bachelor's degree in biology from
23	Columbia College?
24	A. Correct.
25	JUDGE JACOBS: Thank you. Ms. Griffin had

```
1
     already asked you about the condition that I was interested in
 2
     asking you about, so I did not have any additional questions for
     you at this time. Unless commissioner questions come in, we can
 3
     proceed now to recross if Missouri-American has anything that
 5
     they would like to ask.
 6
                      MR. COOPER: No questions, Judge.
 7
                      JUDGE JACOBS: And the District, did you have
     any recross, Ms. Griffin?
 8
 9
                      MS. GRIFFIN: No, Judge.
10
                      JUDGE JACOBS: And did you want to do any
11
     redirect, Mr. Pringle?
12
                      MR. PRINGLE: Yeah, Judge, briefly.
13
     REDIRECT EXAMINATION BY MR. PRINGLE:
14
              Ο.
                      Mr. Robertson, as part of the water and sewer
15
     staff of this commission, is reviewing continuing authority a
16
     regular part of your duties?
                      No, it is not.
17
              Α.
18
                      Does the Commission have jurisdiction over
              0.
19
     continuing authority?
20
              Α.
                      No.
21
                      Who does?
              Ο.
22
                      The Department of Natural Resources.
              Α.
23
              Q.
                      And during Staff's investigation, did Staff
24
     review any kind of minutes or agenda from the Department of
25
    Natural Resources pertaining to the District's award of Level 2
```

1	continuing authority?
2	A. Can you ask me that question again? I'm sorry.
3	Q. In Staff's recommendation, is there any
4	discussion about meeting the agenda or minutes that led to
5	the Clean Water Commission approving the District's Level 2
6	continuing authority?
7	A. Regarding minutes, I would just have to look
8	back at the testimony. I'm sorry.
9	Q. Okay. Well, if you could, could you do you
10	have the Staff recommendation in front of you?
11	A. I sure can, and I do.
12	Q. All right. Thank you, Mr. Robertson.
13	If you turn to Page 3 of Staff's recommendation.
14	In Exhibit 100, that would be Page 8 of 25.
15	A. All right. So I got 15 of the memo, I believe.
16	Q. Oh, sorry, yes. Page 15 in the exhibit. That
17	is correct.
18	A. I am there.
19	Q. Okay. When you look at Footnote 4
20	A. Yes.
21	Q. What was the result of Staff's review of the
22	minutes and agenda of the Clean Water Commission when the Level
23	2 authority was given to the District?
24	A. Well, essentially, that's the entirety of the
25	collection system is within the municipal boundary and the

majority of the wastewater treatment facility is within 1 2 unincorporated Boone County. And it does not appear that the District Level 2 authority was in the incorporated boundaries of 3 4 the City. 5 Q. Why is that? 6 Α. Has the District requested the CWC -- CWC 7 approved Level 2 continuing authority in only the unincorporated 8 areas of Boone County, as it existed at the time of CWC 9 approval. 10 Thank you, Mr. Robinson. Q. 11 MR. PRINGLE: I have no further questions, 12 Judge. 13 JUDGE JACOBS: Thank you very much. I don't 14 believe we have any additional pending questions for 15 Mr. Robertson. So thank you very much for your testimony today, 16 sir, and you are potentially subject to recall. So if you can 17 remain available for the duration of hearing, we would 18 appreciate that. 19 MR. ROBERTSON: Thank you, Judge. 20 JUDGE JACOBS: Thank you. So I believe we would 21 be ready, then, for Mr. Young, Matthew Young. And I can see 22 Mr. Young. He is appearing on my screen on a different -- a 23 different set of pages. So, hopefully, he'll pop over when he 24 speaks up for us. 25 Mr. Young, can you speak up so we can hear you

```
today?
1
 2
                      MR. YOUNG: (Inaudible).
                      JUDGE JACOBS: Okay. So I didn't hear that.
 3
 4
    Let's check your audio and make sure you do not have something
 5
    muted on your end. You don't appear to be muted on our end.
 6
     I'm going to mute and unmute you and see if that does anything.
 7
    This says request unmute. So -- and that didn't change
 8
    anything.
9
                      So what I'm going to ask you to do, sir, is
10
    disconnect entirely and then rejoin the call. Okay?
11
                      I am assuming that no one else was able to hear
12
    Mr. Young.
13
                      MR. PRINGLE: That is correct, Judge. I
    couldn't hear him.
14
15
                      JUDGE JACOBS:
                                     Okay.
16
                      MR. YOUNG: I am back, Judge.
17
                      JUDGE JACOBS: Oh. Oh, great. Now we can hear
18
    you. Okay. Great. We can see you and we can hear you.
19
    you would like to raise your right hand, please, sir?
20
                      (Witness sworn.)
21
                      JUDGE JACOBS: Thank you, very much.
22
                      Mr. Pringle, you may proceed.
23
                      MR. PRINGLE: Thank you, Judge.
24
    MATTHEW YOUNG, having first been duly sworn, testifies as
25
    follows:
```

1	DIRECT EXAMINATION BY MR. PRINGLE:		
2	Q. G	Good afternoon, Mr. Young.	
3	Α. Θ	Good afternoon.	
4	Q. F	Please state and spell your name for the court	
5	reporter.		
6	Α. Μ	My name is Matthew, M-A-T-T-H-E-W; Young,	
7	Y-O-U-N-G.		
8	Q. M	Mr. Young, by whom are you employed and in what	
9	capacity?		
10	Α. Ι	I'm a senior utility regulatory auditor for the	
11	staff of the Misso	ouri Public Service Commission.	
12	Q. A	and are you the same Matthew Young who	
13	contributed to Sta	aff's recommendation to grant CCN previously	
14	entered into the r	record as Staff Exhibit 100?	
15	A. Y	es.	
16	Q. I	Did you also call to be prepare the surrebuttal	
17	testimony of Matth	new Young premarked as Staff Exhibit 102?	
18	A. Y	es.	
19	Q. I	Oo you have any additions or corrections	
20	regarding your sur	rebuttal testimony at this time?	
21	A. N	No, I don't.	
22	Q. I	If I were to ask you the same questions	
23	contained in Staff	Exhibit 102, would your answers be the same	
24	today, or substant	tially the same, as those contained herein?	
25	Α. Υ	es.	

1 0. Are those answers true and correct, to the best 2 of your knowledge and belief? 3 Α. Yes. 4 Q. Thank you, Mr. Young. 5 MR. PRINGLE: Staff moves enter Staff Exhibit 102 into the record. 6 7 JUDGE JACOBS: Thank you very much. (WHEREIN; Exhibit 102 was offered into 8 9 evidence.) 10 JUDGE JACOBS: This testimony is Mr. Young's 11 surrebuttal testimony, which has been premarked as 102. Does 12 any party have an objection to admission of that exhibit? 13 Hearing no objection, Exhibit 102 will be 14 admitted. 15 (WHEREIN; Exhibit 102 was received into 16 evidence.) 17 JUDGE JACOBS: Okay. We are now ready to move 18 on with cross-examination, and I'm going to ask Mr. Pringle to 19 mute for us. Thank you. We can proceed to any cross from 20 Missouri-American. MR. COOPER: No questions, Your Honor. 21 22 JUDGE JACOBS: Thank you. And any questions for 23 the District? 24 MS. GRIFFIN: Yes, Judge. 2.5 CROSS-EXAMINATION BY MS. GRIFFIN:

1	Q. Mr. Young, in your surrebuttal testimony, you
2	testified that the feasibility study submitted in an CCN
3	application provides insight on the financial ramifications of
4	the application and the affect the application may have on
5	ratepayers of the new system and general body of ratepayers.
6	And my question is: How can Staff make a
7	credible determination as to the effect of Missouri-American's
8	application on ratepayers, and the general body of ratepayers,

credible determination as to the effect of Missouri-American's application on ratepayers, and the general body of ratepayers, without having information about the solution Missouri-American will use to remedy compliance issues of the Hallsville system and the cost of that remedy?

2.0

2.5

- A. While the cost of the solution was not included as part of the feasibility study, we did get those figures from data request response. Staff were able to work those into the figure and calculations and come to a general conclusion that it's likely not going to be detrimental.
- Q. Was Staff able to make any sort of determination in terms of an actual dollar amount of what the impact would be on the ratepayers and general body of ratepayers with the information it had?
- A. No. That kind of determination isn't impossible. By the time that Missouri-American incorporates the Hallsville system into its rates, everything will have changed from customer account to revenues to expenses to rate base. And so an exact determination is not possible.

1	MS. GRIFFIN: I have nothing further.
2	JUDGE JACOBS: That's my first time today I
3	forgot to unmute. Okay.
4	Do we have any questions from commissioners at
5	this point? If we do, please speak up.
6	QUESTIONS BY JUDGE JACOBS:
7	Q. I imagine, Mr. Young, that in your experience
8	with the staff of the commission that you are experienced in
9	reading tariffs. Is that something that you do?
LO	A. I'm sorry, I'm experienced in what?
11	Q. Reading tariff sheets?
L2	A. Tariff sheets are actually not preparing them
L3	and editing them are not part of my job. I do reference them.
L4	Q. Do you know how to look at them to get
L5	information?
L6	A. Yes.
L7	Q. Okay. So I was hoping that we could talk about
L8	the feasibility study in this case. I understand that you
L9	worked with that; is that right?
20	A. That's correct.
21	Q. And the amount that's shown on the feasibility
22	study in this case, the case that was submitted by
23	Missouri-American, as far as the rate that would be charged for
24	Hallsville customers, can you tell me what amount is stated on
25	the study, understanding that it's a confidential document, but

that figure is not confidential? 1 2 Α. Yes. The amount is \$38.75 per customer. 3 Ο. Okay. And did you have an understanding about where that figure came from? 4 5 It's my understanding that that is Missouri-American's current tariff rate for this area of 6 7 Missouri. 8 Q. Okay. And do you have access to EFIS at this 9 time so that you can look at documents? 10 I do. Α. 11 Okay. So there is a document that was admitted Ο. 12 into the record as Commission's Exhibit 300. And that was actually attached to a filing on April -- April 5th. So if 13 14 you're looking at the most recent document, it should be the 15 latest filing in the case? 16 Α. Okay. I'm there. 17 0. And then attached to that is the proposed 18 Exhibit 300. Could you open that up, sir? 19 JUDGE JACOBS: If anyone else needs time to get 20 to these documents, go ahead and let me know. 21 BY JUDGE JACOBS: 22 0. Okay. Can you tell us -- I believe it is four 23 Can you just describe what we are looking at there? pages. 24 This appears to be Missouri-American's current Α. 25 tariff. Page 1 would be for the city of Arnold. Page 2 would

1	be for all other areas of Missouri.
2	Q. And it must not be all of other areas because
3	there are two more sheets. So what is Page 3?
4	A. Okay. A quick review of Page 2 appears to be a
5	rate for high high-volume customers outside of the city of
6	Arnold. And it's my understanding Missouri-American has a rate
7	for low-volume customers, and that is on Page 3. Page 4
8	discusses a volumetric charge that I am not familiar with.
9	Q. Is there a
10	A. It looks like this from the City of Lawson.
11	Q. Okay. Is there a notation on the feasibility
12	study that references Arnold in relation to the 38.75 figure?
13	A. Yes. There is a notation that's
14	Q. What does it say?
15	A. It indicates it indicates the customers
16	placed on an existing lower rate for Arnold, who are customers,
17	what they used in the feasibility study, which means the 38.75
18	tariff rates.
19	Q. Okay. So would that be the tariff rate, or the
20	tariff sheet, which is third revised sheet number RT3.1? That
21	indicates that 38.75 I'm sorry, \$38.75 rate?
22	A. Yes.
23	Q. Okay. So would it be your understanding that
24	that's this is the tariff sheet that that rate was drawn
25	from?

1	A. That is my understanding, yes.
2	Q. Okay. Okay. I just I did not want to make
3	any assumptions and wanted to run that by someone who would
4	know. So I thank you for your testimony on that.
5	JUDGE JACOBS: I don't think I have any
6	questions. So unless there are Commission questions, we can
7	proceed to see if there is any recross from Missouri-American.
8	MR. COOPER: No questions, Your Honor.
9	JUDGE JACOBS: Thank you.
10	And does the District have any additional
11	questions?
12	MS. GRIFFIN: No.
13	JUDGE JACOBS: Any redirect from Staff?
14	MR. PRINGLE: No redirect, Judge.
15	JUDGE JACOBS: Thank you very much.
16	Okay. Mr. Young, thank you so much for your
17	testimony today. You are excused from the stand. It is
18	possible you could be recalled so I hope you will remain
19	available today until we wrap this hearing up. Thank you.
20	Looks like we are ready do proceed with
21	Mr. Williams, and I'm looking there we go. We have
22	Mr. Daronn Williams, I see, has joined us.
23	Are you ready to proceed with the next witness,
24	Mr. Pringle? Uh-oh. Think you were muted.
25	MR. PRINGLE: Yes, Judge.

```
JUDGE JACOBS: It's all right. I can see it's
 1
 2
     you. I made you mute. Okay.
                      So Mr. Williams, if you would please raise your
 3
     right hand for us, sir?
 4
 5
                      (Witness sworn.)
 6
                      JUDGE JACOBS: Thank you so much, sir.
                      Mr. Pringle, you may now proceed.
 7
 8
                      MR. PRINGLE: Thank you, Judge.
 9
     DARONN WILLIAMS, having been first duly sworn, testifies as
10
     follows:
11
     DIRECT EXAMINATION BY MR. PRINGLE:
12
                      Good afternoon, Mr. Williams.
              Ο.
                      Hello. Good afternoon.
13
              Α.
                      Please state and spell your name for the court
14
              Q.
15
     reporter.
16
                      Sure. My name is Daronn A. Williams. Daronn is
              Α.
17
    D-A-R-O-N-N, an A., Williams, W-I-L-L-I-A-M-S.
18
                      And Mr. Williams, by whom are you employed and
              0.
19
     in what capacity?
20
                      I am an associate engineer with the Missouri
     Public Service Commission.
21
22
                      Are you the same Daronn Williams who contributed
              Q.
23
     to Staff's recommendation to grant CCN previously entered into
     the record as Staff Exhibit 100?
24
2.5
              Α.
                      Yes.
```

1	Q. Did you also cause to be prepared the
2	surrebuttal testimony of Daronn Williams premarked as Staff
3	Exhibits 103C and 103P, and these are your corrected surrebuttal
4	testimony?
5	A. Yes, that is true.
6	Q. Do you have any addition corrections
7	regarding your corrected surrebuttal testimony at this time?
8	A. No, I do not.
9	Q. If I were to ask you the same questions
LO	contained in Exhibits 103C and 103P, would your answers today be
L1	similar, or substantially similar, as those contained herein?
L2	A. Yes.
L3	Q. And are those answers true and correct, to the
L4	best of your knowledge and belief, Mr. Williams?
L5	A. Yes.
L6	Q. Thank you, Mr. Williams.
L7	MR. PRINGLE: At this time Staff moves to enter
L8	Staff Exhibits 103C and 103P.
L9	(WHEREIN; Exhibits 103C and 103P were offered
20	into evidence.)
21	JUDGE JACOBS: Okay. That's Staff Exhibit 103P
22	and Staff Exhibit 103C, which are the corrected testimony of
23	Mr. Williams in public and confidential form. And those
24	corrected versions have been circulated to the parties, have
25	been offered on the record. Are there any objections?

1	Hearing no objection, those exhibits will be
2	admitted
3	(WHEREIN; Exhibits 103C and 103P were received
4	into evidence.)
5	JUDGE JACOBS: And we can now proceed to
6	cross-examination, and I will ask Mr. Pringle to mute again for
7	us. Thank you.
8	We would start with Missouri-American, if there
9	are any questions.
10	MR. COOPER: No questions, Your Honor.
11	JUDGE JACOBS: Okay. And then any questions
12	from the District?
13	MS. GRIFFIN: Yes, Judge. And just as a
14	preliminary matter, I want to make sure that I don't divulge any
15	confidential information. And I would note that the overview
16	reasoning and estimate of the five possible long-term solutions
17	proposed by Missouri-American that are contained in
18	Mr. Williams' corrected surrebuttal testimony, are marked as
19	confidential. I just wanted I have some questions about the
20	evaluation, not so much the numbers. I wasn't sure if it was
21	just the numbers that were needed to be treated as confidential
22	or if all of it needed to be treated as confidential and it was
23	marked. So I thought I would just ask.
24	JUDGE JACOBS: Thank you for raising that issue.
25	Mr. Cooper, can you help us?

```
Oh, I'm sorry. Well, this is an interesting
 1
 2
     question, actually, because it's the Company's proposals but it
     that has come to us through Staff. So, actually, Mr. Pringle
 3
 4
     and Mr. Cooper, please help us out here.
 5
                      MR. PRINGLE:
                                    I would defer to Mr. Cooper and
 6
     the Company seeing how it is their information.
 7
                      MR. COOPER: That is what I would have done as
 8
     well, if I was Mr. Pringle. Let me -- let me see if Mr. Luft is
 9
     still on or Mr. Horan is still on --
10
                      MR. LUFT: I'm here.
                      MR. COOPER: -- so I can confirm this with them.
11
12
                      Mr. Luft, my thought is if that it's the
13
    numbers, it's the estimate that are truly confidential because
     of the potential for bidding those or -- and that the options
14
15
     themselves are not confidential. Would that be accurate?
16
                      MR. LUFT: That's right. That's exactly right.
17
     You don't want them bidding on --
18
                      MR. COOPER: Yeah. You don't want them to have
19
     those estimates at the time they bid.
20
                      MR. LUFT: (Inaudible).
21
                      MR. COOPER: Okay.
22
                      Is that clear, Ms. Griffin?
23
                      MS. GRIFFIN: Yeah, I think so. I think all of
24
     the questions I have just relate to docs and evaluation of the
2.5
     five options, not the dollar numbers. I just wanted to be sure.
```

1	MR. COOPER: Thank you.
2	CROSS-EXAMINATION BY MS. GRIFFIN:
3	Q. Mr. Williams, would you agree that in your
4	testimony, which is your corrected surrebuttal testimony that is
5	in the record, that you provide an overview in reasoning for
6	five potential long-term solutions for the Hallsville system
7	that were proposed by Missouri-American to Staff?
8	A. Yes, that is true.
9	Q. Okay. And is spray irrigation with land
10	application one potential issue excuse me, one potential
11	solution that you evaluated, as proposed by Missouri-American?
12	A. Yes.
13	Q. And in your analysis, did you conclude that the
14	some issues with the landowners created a potential problem
15	with effective use of this option?
16	A. It is an obstacle, if you will, that would need
17	to be addressed for long-term use.
18	Q. Okay. Is that because in part of dirt-work
19	projects done by one of the farmers that has resulted in
20	partially treated wastewater entering waters of the state and
21	resulting in noncompliance?
22	A. Well, in my opinion, the main factor is because
23	of what currently the application the land for the
24	application is not owned by the city. So the landowners, the
25	farmers, themselves, essentially have the final say on when

1	their land can be used. So that is the ultimate issue with the
2	current situation.
3	Q. So is it fair to say that based on your
4	evaluation, the lack of control over the land since it's leased
5	is an issue?
6	A. Yes.
7	Q. Okay. And you noted in your testimony that
8	securing nearby land and owning the spray irrigation equipment
9	would avoid the issues over control with the land being leased
10	from farmers. Correct?
11	A. Yes. That is one one option to create a
12	better situation for any form of land application.
13	Q. Okay. But you also indicated that it might be
14	difficult for Missouri-American to acquire land for use for land
15	application. Correct?
16	A. There is always an you know, the possibility
17	of, you know, that not working out. So, it's
18	Q. And what facts or information did you base your
19	conclusion that it might be difficult for Missouri-American to
20	acquire the land needed for land application?
21	A. Well, because the current it's my
22	understanding that the that the farmland may be a
23	multi-generational farmland. And it sounded like when I was on
24	site during the inspection, that the farmers may or may not be
25	interested in selling, you know. And but that will be an

1	issue that, you know, if if MAWC is granting the CCN, they
2	would, you know, follow through and assess that situation at the
3	time.
4	Q. Okay. So your conclusion was based on
5	information you obtained at the time the Staff conducted an
6	investigation of the Hallsville system?
7	A. Correct.
8	Q. And did you conduct any sort of evaluation of
9	how much land Missouri-American would need to secure for spray
10	irrigation with land application to be a viable option?
11	A. I did not. No.
12	Q. Do you know how much land is required by the
13	current permit for land application for the Hallsville system?
14	A. I do not. No.
15	Q. If Missouri-American is unable to secure
16	whatever land may be appropriate or necessary for land
17	application, would you still is it still your that spray
18	irrigation is a viable long-term solution for Missouri-American?
19	A. So the question is if they are unable to acquire
20	the necessary land to conduct this spray the spray
21	irrigation, would it still be a viable option?
22	Q. Yes, sir.
23	A. No.
24	Q. Okay. The next option that you evaluated was
25	for a drip irrigation system Correct?

1	A. Correct.
2	Q. Okay. And would you agree that this potential
3	solution, like this spray irrigation option, would not be a
4	viable option if Missouri-American would be unable to acquire
5	land needed for land application?
6	A. Well, since this is my first time testifying
7	before the Commission and Judge, I do have a correction to that
8	to the original question. So what would be the best way to
9	address that?
10	JUDGE JACOBS: I think you should just proceed
11	to answer the question you were asked, sir. And if you need to
12	elaborate to clarify something that you said earlier, you should
13	be able to do so. Start with Ms. Griffin's question.
14	THE WITNESS: Okay. So to answer your question
15	about the drip irrigation and also the spray irrigation, yes, if
16	land besides acquiring their own land to do the irrigation,
17	another viable option is to basically work a better deal with
18	the current farmers, so to better ensure that the land would be
19	able so the land would be used as needed and more consistent
20	than it is currently being used.
21	BY MS. GRIFFIN:
22	Q. Okay. I think I understand what you're saying.
23	Do you know, Mr. Williams, how many years that the land has been
24	leased by the City of Hallsville from the two farmers that we

25

are talking about?

I know -- well, I do not know the overall time, 1 Α. 2 but the contract information is in the Staff memo on when the contract started for farmer to the north near Cells 1 and 2. 3 And I know that contract was for a 10-year period, and that 4 5 expires, I believe, in -- I believe next year in 2022. But I'm 6 not sure for, like, how long they've been using the land 7 application system on those lands. 8 Q. Okay. Is it your understanding that those 9 leases have been continuing for a period of years? 10 Yes, that is my understanding. Α. 11 And is it also your understanding that there Ο. 12 have been problems for a period of years with these particular 13 farmers? 14 Well, not exactly. It is my understanding that 15 there's just been concerns regarding the field to the south near 16 Cell 2. And if I may, the other contract for the farmers to the 17 north actually ends September 15, 2023. 18 Okay. Do you know when that contract was 0. 19 renewed last? 20 Α. No. It was for a 10-year period. So I believe it went into effect in 2013. 21 22 Ο. Okay. And I'm looking at the case file 23 memorandum right now, which is Schedule JAB-b2. Are the 24 references to -- well, let me just read this sentence and then I'll ask you a question. On Page 11 of that report, in the 25

first full paragraph it says: The City has no control over when 1 2 and how long the landowners operates a pivot. The City's operator told Staff during its inspection that even though the 3 4 landowners and the City have a written agreement, the landowners often do not follow its terms, including failing to notify the 5 6 City before the pivots are turned on and failure to keep a 7 monthly log of that pivots' operation. 8 Were you present when the city's operator made 9 that statement of --10 Α. Yes. 11 O. Okay. 12 Yes, I was. Α. 13 And so I guess what I'm trying to get at is, if there''s a history of these landowners not following the terms 14 15 of the written agreement that they have with the City, why do we 16 have any reasonable expectation to believe that if a different 17 agreement is negotiated with Missouri-American, that they will 18 follow the terms of that agreement? 19 Well -- well, I'm not a lawyer so I can't really 20 speak to those specifics. But -- but if the contract had more, 21 you know, language regarding the day-to-day operation, then the 22 expectations -- you know, there is a chance that -- that the 23 farmers -- especially the farmer for the south, may be more

amicable, you know, more easier to work with. But, yeah, that

would be a question for an attorney, I would think.

24

25

1	Q. Okay. When evaluating the drip irrigation
2	system option, did you factor into your analysis whether any
3	permits would be required from Boone County?
4	A. Boone County, like the as in the county
5	officials?
6	Q. Correct.
7	A. No, that was not evaluated.
8	Q. And when evaluating this option, did you
9	consider whether the Boone County Regional Sewer District's
10	regulations would require Missouri-American to submit any plans
11	to the District for approval?
12	A. No.
13	Q. Okay. Well, assuming that additional approvals
14	or permits were required from, either Boone County or the
15	District, and Missouri-American was not able to obtain those
16	approvals, would a drip irrigation system be a viable option for
17	the Hallsville system?
18	A. Well, that would be a decision for them to make
19	at that time.
20	Q. But as you are sitting here today, if there were
21	permits or approvals that had to be obtained in order for them
22	to alter the current Hallsville system and make it a drip
23	irrigation system, would Missouri-American be able to do that
24	without necessary approvals or permits?
25	A. If the parameters to allow a drip irrigation

- system was not, you know -- was not acquired or obtained, then the option would not be viable.
 - Q. Okay. And then the third option that you evaluated was a new mechanical plant. Right?
 - A. Yes.

- Q. And did you evaluate whether Missouri-American might need any additional land if it selected this as a long-term solution for the Hallsville system?
- A. It just depends on the parameter of the plant, like how much -- how big of a footprint they would need, but in theory, like assuming that they would close one of the cells they would have plenty of land to operate a mechanical plant in lieu of a three-cell lagoon system. But there also is land, you know, near -- well, in the parcel of Cell 2, which is the largest cell that, you know, in theory that land could be used to, if they chose to, you know, use the lagoon system and the mechanical plant. But until pretty much anyone operates -- any new owner operates the system and gets real-time data, they will be able -- then they would be able to make an informed decision on the most viable option.
- Q. Okay. And so I'm just trying to understand your testimony. The answer to my question, maybe, that you are unsure whether Missouri-American would need any available land at this time?
 - A. That is a decision that I am unable to make

1	because it depends on how big of a footprint the mechanical
2	plant would require.
3	Q. Okay. When evaluating the action of a new
4	mechanical plant, did you consider whether Missouri-American
5	would need to obtain any permits from Boone County or approvals
6	from the District?
7	A. The only the only outside entity that I
8	considered was the Department of Natural Resources.
9	Q. Okay. And with respect to the department, are
10	you referring to the need of Missouri-American to obtain a
11	permit for the new plant?
12	A. Yes, an operating permit and also if for a
13	mechanical plant, it would go from a no-discharge system to a
14	discharge system and that would require an anti-degradation
15	review.
16	Q. So you are saying that the proposition for a new
17	mechanical plant would involve a discharge facility as opposed
18	to a no-discharge facility?
19	A. Yes.
20	Q. Okay. I didn't see that in any of the
21	information that was provided regarding that plant. So I have
22	kind of the same question that I had at the end of our
23	discussion of the drip irrigation system.
24	A. Sure.

Assuming that Missouri-American was unable to

25

Q.

Τ	secure any necessary permit from Boone County or approval from
2	the District, would constructing a new mechanical plant be a
3	viable option?
4	A. Just as before, and with each option, if the
5	parameters if the required parameters are if they are
6	unsuccessful in acquiring the necessary parameters for this
7	option, then they would need to choose a different option.
8	Q. Okay. Is it correct to say that the fourth
9	potential long-term solution that Missouri-American proposed and
10	that you've evaluated was the direct discharge with triple-point
11	ammonia removal technology option?
12	A. Yes, as the fourth option.
13	Q. Okay. And is that option would involve a
14	discharge. Correct?
15	A. Yes.
16	Q. Okay. Do you know if the existing Hallsville
17	system is permitted by DNR as a discharge or a no-discharge
18	facility?
19	A. It is currently permitted as a no-discharge
20	system.
21	Q. Okay. And just for purposes of helping all of
22	us understand, could you explain what the difference is between
23	a discharge facility and a no-discharge facility?
24	A. I will do my best. It is my understanding, so a
25	no-discharge system is a wastewater treatment system where

1 where the -- where it is designed that the -- the waste -- the 2 wastewater, also known as effluent, does not directly go into the waters of the state. And in the current system, the way the 3 Hallsville system is currently been designed as no-discharge 4 5 system, it's obviously set up with some irrigation fields. And 6 the idea is for the crops and the soil to absorb the water 7 without the water going to waters of the state. 8 And so a discharge system would be basically a 9 wastewater treatment system where the effluent goes directly 10 into the waters of the state. 11 Okay. And isn't it generally true that 0. 12 generally speaking that a no-discharge facility would be more 13 protective of the environment than a discharge facility? I would say no. One, that's a question and it 14 Α. 15 stands for DNR. And then two, that -- that would be something 16 that where all factors would need to be evaluated to make that 17 call. 18 Ο. You mentioned in your testimony that the 19 discharge with triple-point technology would be contingent on 20 DNR's approval to allow Missouri-American to discharge from the 21 existing lagoon used in the Hallsville facility. Is that 22 because the lagoons currently are not allowed under the existing 23 permit to discharge to the waters of the state? 24 Basically. As stated earlier, because the Α.

Hallsville wastewater treatment system is currently deemed as a

25

1	no-discharge system. To go from a no-discharge system to a
2	discharge system, a anti-degradation review is required
3	Q. Okay.
4	A that DNR does after a CCN and operating
5	permit are issued.
6	Q. And you kind of walked right into my next
7	question, which was do you know what process Missouri-American
8	would need to follow to seek DNR approval of this option, and it
9	sounds like your testimony is that to pursue this option
10	Missouri-American would need DNR to perform an anti-degradation
11	review?
12	A. Right. And basically yes.
13	Q. Do you know what kind of an evaluation the DNR
14	makes when it conducts an anti-degradation review?
15	A. I am generally familiar with it, but basically
16	they would evaluate, like, what is the best option for the
17	situation and if yeah. Actually, I am not familiar with all
18	of the details of the anti-degradation review.
19	Q. Okay. Do you have any knowledge about how long
20	the process normally takes to go through?
21	A. I do not. No, ma'am.
22	Q. Okay. And are you aware of any instances in
23	which DNR has been approved a no-discharge facility, converting
24	to a discharge facility using this triple-point ammonia removal
25	technology?

1	A. I am not familiar with all of the all of the
2	wastewater treatment plants that DNR regulates, nor do I know of
3	a specific example of a no-discharge system going to a discharge
4	system using the triple-point. I do know of instances where the
5	triple-point technology have been used and according to DNR,
6	they there are a great number, depending on how you define
7	that, of the triple-point system being used, and it has been
8	deemed to be successful to reaching DNR at the moment standards.
9	Q. But you're not aware that any of those
LO	facilities that you are referencing, of them having formerly
11	been permitted as no-discharge facilities?
L2	A. That is correct. I am not aware of any that
L3	went from a no-discharge to a discharge system.
L4	Q. Okay. When you evaluated this triple-point
15	potential solution, did you consider whether Missouri-American
L6	would have to obtain the approvals from Boone County for permits
L7	or permits or approvals from the District?
18	A. It's my understanding that they would not have
L9	to receive any special permits from those entities. I guess the
20	technology gets used by a number of sewer facilities throughout
21	the state.
22	Q. Okay. The last option that you evaluated was
23	the direct discharge merged with plant upgrades. Correct?
24	A. Yes.
25	Q. Is this, as it sounds, also an option that would

1	involve converting the Hallsville facility from a permitted
2	no-discharge facility to a discharge facility?
3	A. Yes, that is correct.
4	Q. Okay. And so would your testimony be the same
5	as for the triple-point option, in terms of this option would
6	require DNR approval and require an anti-degradation review
7	before it could be used?
8	A. Yes. Yes, it would. It would also require the
9	anti-degradation review.
10	Q. Okay. And did you consider this option whether
11	Missouri-American would have to obtain any approvals or permits
12	from Boone County or the District to implement it?
13	A. It is my understanding, just like with the other
14	option, that the only approval they would need after getting a
15	CCN from the commission here, would be approval permits from the
16	Missouri DNR.
17	Q. Okay. And if the Missouri excuse me. My
18	computer's giving me a little feedback here. In the event that
19	the DNR would not approve either the direct discharge with
20	triple-point technology option or the direct discharge with
21	plant upgrade option, would those be viable options for
22	Missouri-American for the Hallsville system?
23	A. Yes. If Missouri-American receives permanent
24	roadblocks to any of the situations I mean any of the
25	proposals, then, you know, they would need to find a viable

option. 1 2 Q. I don't have anything further at this time. JUDGE JACOBS: Okay. Thank you very much. 3 We would now have the floor open for any 4 5 questions from commissioners, if we have any. 6 There was one thing I wanted to clear up, 7 Mr. Williams. 8 THE WITNESS: Yes, Judge. 9 OUESTIONS BY JUDGE JACOBS: 10 Okay. So I just wanted to ask you can -- is a 0. 11 mechanical plant something always -- would be classified as a 12 discharge system or might it be a no-discharge system depending on how it is set up? 13 14 Α. Thank you, Judge. That's a good question. 15 my understanding, typically -- typically that it is a discharge 16 system. But, of course, depending on the situation, it could be 17 a no-discharge -- a no-discharge system with land application or 18 a different means, to, you know, deal with the final there --19 hauled off or, you know -- but typically I would hate to throw 20 out a number, but 99 percent of the time, or at least I've only 21 seen a mechanical plant being a discharge system. But, you 22 know, given the parameters, it is possible for it to become a 23 no-discharge -- it will be a no-discharge system as well. 24 Ο. Okay. Thank you for clarifying that. That is 25 helpful. There was another thing I wanted to clarify with you.

Is someone else trying to get in there? Perhaps 1 2 I'm hearing my own voice bouncing back at me. Okay. I was hoping that you could look at Schedule --3 or a schedule attached to Mr. Horan's surrebuttal testimony, 4 which is now in evidence. That's Schedule MH-5C, and that is a 5 6 confidential schedule, but I'm not really asking you about any 7 substance there. What I wanted to do was ask if you could tell 8 me the relationship between that schedule and the schedule 9 attached to your own testimony, which is schedule DAW-S2, which 10 is multiple pages. 11 Α. Okay. 12 I don't want to make an assumption about the Ο. 13 relationship between those schedules. So I was hoping you could 14 make it clear for us. 15 Sure. And that is -- well, you said MH-5C. Let Α. 16 me pull that up. I believe I know which schedule that you are 17 speaking of. 18 It is multicolored in the version I saw. 0. 19 has --20 Α. Yes. 21 0. Okay. 22 And it's 5C, okay. Yes. So yes. Α. 23 presented in MH-5C is the exact same thing that I have. Instead 24 of having it color-coded like Mr. Horan, I just had them on 2.5 separate pages for ease.

1	Q. Okay. So I just wanted to make sure that I did
2	not have to go through those line by line and see if there are
3	any differences. Essentially, did you take information provided
4	to you from Missouri-American and then converted it to the
5	multiple pages to attach to your own testimony?
6	A. I did
7	Q. Okay.
8	A yes.
9	Q. All right. Thank you.
LO	JUDGE JACOBS: Okay. Do we have any recross
L1	from Missouri-American?
L2	MR. COOPER: No questions from questions from
L3	the bench.
L4	JUDGE JACOBS: Thank you.
L5	And anything from the District, Ms. Griffin?
L6	MS. GRIFFIN: No, Judge.
L7	JUDGE JACOBS: I feel like we have some audio
L8	problems that are developing here this afternoon. I hope they
L9	go away.
20	Any redirect by Staff?
21	MR. PRINGLE: Yes, Judge.
22	REDIRECT EXAMINATION BY MR. PRINGLE:
23	Q. Mr. Williams, regarding the five proposals in
24	your surrebuttal testimony, how practical is it for MAWC to have
25	detailed proposals prior to operating the system themselves?

1	A. Well, it is not practical, nor does Staff expect
2	a detailed proposal before they operate the system.
3	Q. Why is it so important for Missouri-American to
4	operate the system itself before coming forward with the
5	detailed proposal?
6	A. Sure. It is important for them to be able to
7	operate the the to operate the plant and get real-time
8	data because there's various moving parts and parameters that
9	would need to be identified and evaluated. And until those
10	issues and any day-to-day operation I'm sorry. It's
11	important to see the day-to-day operations to develop a
12	permanent long-term long-term solution for the concerns of
13	the system.
14	Q. And is there anything limiting Missouri-American
15	Water from choosing only from these five proposals?
16	A. No. No.
17	Q. And I just wanted to clarify from your
18	cross-examination by the District, Mr. Williams. Did you say
19	that you had a correction you wanted to make to your testimony
20	regarding drip irrigation or is that not the case?
21	A. Yes. I'll take the opportunity. So yes, I
22	wanted to just share that with the land application options, the
23	spray irrigation, and drip irrigation, those options could be
24	used with the current farmers or oh, my gosh they could be
25	used with current farmers and with adequate storage and land

1	application. And they can also be used if Missouri-American
2	purchased additional land.
3	Q. Okay. Mr. Williams, is that a correction or
4	just an elaboration?
5	A. An elaboration.
6	Q. Thank you, Mr. Williams.
7	MR. PRINGLE: I have nothing further, Judge.
8	JUDGE JACOBS: Thank you very much.
9	Thank you for your testimony today,
10	Mr. Williams. You are excused at this time, but please remain
11	available if at all possible until the hearing has completed in
12	case we need to recall you. Okay?
13	THE WITNESS: I will, Judge. Thank you.
14	JUDGE JACOBS: Thank you very much.
15	And I do understand that the Commission will not
16	have additional questions for Mayor Carter today. Do any other
17	parties have any reason why they would request him to be
18	recalled at this time so we can let him know that he doesn't
19	actually have any childcare concerns this afternoon? Okay.
20	Mr. Cooper, you can go ahead and let Mr. Carter
21	know or if he is with us, Mayor Carter, thank you so much for
22	appearing today. You will be excused and you should not be
23	subject to recall.
24	MR. COOPER: Thank you, Judge.
25	JUDGE JACOBS: Okay. And speaking of recall.

```
Because it occurs to me that I -- given Missouri-American's
1
 2
    recent, at least, approval of the stipulation and agreement, I
     think there are usually a few other subsequent steps that might
 3
     take place after a rate case resolve, but it appears that
 4
 5
    Missouri-American's pending rate cases, the Commission just
 6
     issued the Order approving the Stipulation and Agreement. My
 7
    understanding is that Staff's proposal in this case is that
 8
    depreciation rates will be based on the previous rate case, and
9
     then those rates were, in fact, established in the current rate
10
    proceeding. So the issue is, can we just stipulate that those
11
    are indeed the facts? Is it necessary to bring a Staff witness
12
    back to confirm that information? What would you prefer,
13
    Mr. Pringle?
                      MR. PRINGLE: Could you repeat that one more
14
15
     time, Judge. You cut out towards the end.
16
                      JUDGE JACOBS: Oh, I'm -- I'm sorry. Okay.
17
    apologize. I hope my audio is okay.
18
                      All right. So this pertains to Staff's
19
    recommendation as to depreciation rates that would be required
20
     if a certificate were approved. My understanding is that Staff
21
    was recommending depreciation rates that were said in what had
22
    been Missouri-American's most recent rate case. And I believe
23
    that those were carried forward into the Stipulation and
24
    Agreement the parties reached in the very most recent rate case,
25
    which is in the process of resolution right now, that the
```

1	Commission Order issued on Wednesday.
2	So my question is: Is it necessary to bring
3	back a Staff witness to confirm the recommendation and let us
4	know which cases those are? I don't think this is an issue in
5	controversy. So the alternative is to stipulate that is
6	the state of affairs.
7	MR. PRINGLE: I would lean towards stipulate,
8	Judge. It is Staff's understanding that the depreciation rates
9	are not changing between the rate cases. We'd be fine to
10	stipulate. Really, we leave it up to you. If you prefer to
11	have a Staff witness come forward, we can do that, too, but I
12	think stipulation would be the easiest way forward.
13	JUDGE JACOBS: And Mr. Cooper?
14	MR. COOPER: We certainly would stipulate that
15	there's no change in the depreciation rates from case to case,
16	as identified in the stipulation.
17	JUDGE JACOBS: Okay. Thank you.
18	And Ms. Griffin?
19	MS. GRIFFIN: We would stipulate as well.
20	JUDGE JACOBS: Okay. I'm comfortable that
21	because this is not controversial in any way, that combined with
22	your statements all today on the record and what is expressed in
23	Staff's recommendation that this should be well-established for
24	purposes of our record. So thank you for that.
25	Okay. We have just finished with Mr. Williams,

which means we've finished with Staff's witnesses and we are 1 2 ready to get started with the District's witnesses. So I anticipate that Mr. Ratermann's testimony may be extended to 3 some degree. We're about 15 shy of when I would normally want 4 to take a break. So I'm going to propose that we take a break 5 6 right now until 2:30, and get back to start with Mr. Ratermann. 7 So we will be in recess until 2:30. Thank you. 8 (OFF THE RECORD.) 9 JUDGE JACOBS: All right, everybody, we are back together. We will get back on the record for this hearing, 10 11 it's SA-2021-0017. It is now 2:30 p.m. Mr. Williams mentioned 12 to me that I had neglected to ask the Office of the Public Counsel if the Office of the Public Counsel would also agree to 13 14 the stipulation concerning the depreciation rates and Staff's 15 recommendation. 16 Mr. Williams, would you like to go ahead? 17 MR. WILLIAMS: Yes. Staff will stipulate to 18 that and Staff also has no objection if the Commission wants to 19 take notice of its Order yesterday approving the Stipulation and 20 Agreement in Case Number WR-2020-0344. 21 JUDGE JACOBS: I appreciate that suggestion and 22 that may, in fact, be useful. So I think we've now established 23 that OPC has no objection to the Stipulation that the other 24 parties had agreed to. I think it may be useful to us, in this

case, to take notice of the Order issued in that rate

2.5

1	proceeding, which is WR-2020-0344, I believe.
2	MR. WILLIAMS: That's correct.
3	JUDGE JACOBS: Okay. Great. So are there any
4	objections to that Order being incorporated into the record in
5	this case by reference? And that would be the Order issued at
6	the Commission's agenda on Wednesday, April 7th, in
7	WR-2020-0344. I'm seeing that Staff counsel, Mr. Pringle, has
8	indicated no objection. Mr. Cooper has no objection as well.
9	And Ms. Griffin? And in this case, it was the suggestion of the
LO	Office of the Public Counsel so happily, OPC has been included.
11	So that is what we will do in this case. That Order is
L2	incorporated by reference into the record in this case. Thank
L3	you very much.
L4	All right. So we already, I believe, to get
L5	started with the District's witnesses, unless there are any
L6	parties with any preliminaries that they would like to bring up
L7	before we bring Mr. Ratermann on. It looks like everyone is
L8	ready. Ms. Griffin appears to be ready.
L9	So, Mr. Ratermann, if you would like to initiate
20	your video line and speak up and we will get you sworn in.
21	MR. RATERMANN: Good afternoon, Judge.
22	JUDGE JACOBS: Okay. Here you are coming on my
23	screen here. There we go. Very difficult visually, the way
24	people are moving around. I keep looking for people's faces in
25	one spot and they move so then I can't find them. We now have

1	Mr. Ratermann with us.
2	Mr. Ratermann, could you raise your right hand,
3	sir?
4	(Witness sworn.)
5	JUDGE JACOBS: Thank you, very much.
6	I'm not sure if you are responsible for this
7	line, Ms. Court Reporter, but it seems like I might be picking
8	up something from your line. Are you definitely muted? Okay.
9	All right. So, Mr. Ratermann, I believe we are
10	ready to proceed. Something is coming off of a line. I'm going
11	to mute myself and that might help, but you can let Ms. Griffin
12	take over. Thank you.
13	MS. GRIFFIN: Thank you, Judge.
14	TOM RATERMANN, having been first duly sworn, testifies as
15	follows:
16	DIRECT EXAMINATION BY MS. GRIFFIN:
17	Q. Good afternoon, Mr. Ratermann. Could you please
18	state and spell your name for the court reporter?
19	A. My name is Tom Ratermann. First name's T-O-M.
20	My last name is R-A-T-E-R-M-A-N-N.
21	Q. By whom are you employed and in what capacity?
22	A. I'm employed by the Boone County Regional Sewer
23	District. I am the general manager.
24	Q. Are you the same individual who caused to be
25	prepared the rebuttal testimony of Tom Ratermann, which we have

1	premarked as Exhibit 200?		
2	A. Yes.		
3	Q. Do you have any additions or corrections		
4	regarding your rebuttal testimony?		
5	A. Yes, I do have some additions. I would like to		
6	respond to Mr. Horan and Mr. Robertson and Mr. Williams.		
7	Q. Do you		
8	MR. COOPER: Judge, I'm going to object to that.		
9	I don't think that that's a proper part of our process to		
10	supplement testimony in this fashion at this point in the case.		
11	JUDGE JACOBS: Could you just explain,		
12	Ms. Griffin? I apologize.		
13	MS. GRIFFIN: Well, there were some matters that		
14	came up in the surrebuttal testimony that the District has not		
15	had the ability to address, and that is the purpose of this		
16	testimony, is to respond to those items that were raised after		
17	we filed our testimony.		
18	JUDGE JACOBS: So the first thing you are doing		
19	here is introducing on the record Mr. Ratermann's filed		
20	testimony; is that right?		
21	MS. GRIFFIN: Well, I wasn't sure since, as I've		
22	indicated previously, I'm new to the process. Since he had		
23	additions, what I had planned to do was ask him questions about		
24	additional information raised after his testimony was filed, and		
25	then enter his written testimony into the record. Obviously, I		

1	could reverse the order. It doesn't really matter to me.
2	JUDGE JACOBS: Okay. So it sounds like we have
3	a dispute developing about to what degree you can ask any
4	additional questions, based on matters that were raised in
5	surrebuttal. Or yes, in surrebuttal.
6	So could you tell us more about these specific
7	issues so that I can consider what Mr. Cooper might be saying,
8	and I'll let Mr. Cooper respond to that?
9	MS. GRIFFIN: Certainly. Basically, I have some
10	questions that there's a dispute raised about what the
11	boundaries of the District's are and what its authority is
12	vis-`-vis Missouri-American, if, in fact, the requested CCN is
13	granted by this Commission to enable the sale to go forward.
14	And we wanted to address some matters regarding the continuing
15	authority issues and the general authority of the District that
16	were raised in that surrebuttal testimony. We also wanted to
17	address some of the treatment options that were discussed and
18	evaluated in surrebuttal testimony that was filed by Staff.
19	JUDGE JACOBS: So I think what might make sense
20	is to take these one issue at a time and one question at a time
21	rather than debate whether Ms. Griffin can ask any additional
22	questions of this witness. Of course, I'm happy to hear what
23	Mr. Cooper and Mr. Pringle have to say about this.
24	Mr. Cooper?
25	MR. COOPER: Yes, Judge. We are working with

the procedural schedule that, you know, was set up a long time 1 2 It set out the rounds of testimony. And what Ms. Griffin seems to be discussing is, essentially, an additional round of 3 testimony that would be conducted live in a way that we would 4 not be able to respond to it. I think that the applicant has 5 6 the burden, is supposed to kind of have -- is supposed to have 7 the last shot at that. That is why it was set up in a direct 8 rebuttal, surrebuttals sort of fashion. 9 So I guess I just think that it complicates this process considerably if we're going to have a live additional 10 11 round of testimony at the hearing. 12 MR. PRINGLE: And I would second Mr. Cooper's 13 objections, Judge. It's just the point of the prefiled 14 testimony is for us to review it prior to hearing. Having live 15 testimony at this point I think would be unfair to the other 16 parties. And, further, I think cross-examination really is the way to handle that surrebuttal, and I just think -- I agree with 17 18 Mr. Cooper. It does not seem proper right now. 19 JUDGE JACOBS: Would Mr. Williams with OPC want 20 to provide any commentary on this issue? 21 MR. WILLIAMS: I can give you some input on, 22 based on my experience, over the past 20-plus years in 23 practicing in front of the Commission. First of all, there may 24 be changes to his testimony in light of what people said later. 2.5 In other words, it wouldn't be what he said before in the

```
prefiling would not be his testimony currently, and so there
 1
 2
     would be a revision for that reason. In the past, I've seen the
     Commission where someone raises a new issue in surrebuttal,
 3
     allow parties to respond to that.
 4
 5
                      JUDGE JACOBS: Okay. And I do apologize to
 6
     everyone for needing to go back through this again. But
 7
    Ms. Griffin, I believe one of the issues that I recall that you
 8
     raised was the possibility of asking Mr. Ratermann questions
 9
     about the proposed upgrades or system modifications that were
10
     identified in Missouri-American and Staff's surrebuttal; is that
11
     right?
12
                      MS. GRIFFIN: Yes.
13
                      JUDGE JACOBS: Okay. So just taking that single
14
     issue alone of these specific modifications or upgrades
     addressed in surrebuttal, I would consider that that is
15
16
     something that was elaborated on significantly in surrebuttal.
17
     And it seems to me that it would be appropriate to allow
18
     Mr. Ratermann to address that. In fact, I believe that the
19
     bench intended to ask Mr. Ratermann questions on those issues.
20
                      Would anyone like to argue a contrary position
21
     on that point?
22
                      Mr. Cooper?
23
                      MR. COOPER: Only what I said before.
                                                             I mean I
24
     think we're -- we should have the last say on issues because it
2.5
     is our burden. So if we can have an additional opportunity to
```

file testimony on this issue, that would be appropriate, I 1 2 think. I guess I would add, Judge, if the 3 MR. PRINGLE: 4 bench had questions about those proposals for Mr. Ratermann, I think that allows Ms. Griffin to address it on redirect, but 5 doing a direct right now I still think is kind of improper. 6 7 JUDGE JACOBS: Okay. So that's one issue that 8 you have raised, Ms. Griffin. Would you remind me of the other 9 matters so that I can -- so that I can weigh this all out? 10 MS. GRIFFIN: Yes. Well, the other issue is, 11 obviously, Missouri-American has sought to add two new exhibits 12 relating to this continuing authority issue, which also goes to the, just the authority in general of the District's that is 13 being challenged by both -- or questioned by Staff and by 14 15 Missouri-American. And I felt it was only fair for us to be 16 able to respond with information, additional information, regarding what we believe the authority of the District is to 17 18 fully make our record. 19 JUDGE JACOBS: So are you referring to two 20 exhibits that appear on Missouri-American's proposed exhibit 21 list, but have not been offered at this time? 22 MS. GRIFFIN: Yeah, I'm referring to those 23 exhibits. I'm also referring to portions of exhibits that we 24 did not go into detail with that were filed with the rebuttal 2.5 testimony that, you know, as the continuing authority authority

is questioned in surrebuttal that I think it is only fair that 1 2 the District have a chance to respond to that and give its position on what its authority is. 3 I mean we've said the whole time that we have 5 been involved in this proceeding, that we believe we have long-term planning authority, legal authority, that poses an 6 7 obstacle for this transaction. Obviously, the Staff and 8 Missouri-American have a different position. But now that they 9 have volleyed this back, we feel like we won't have a complete 10 record if we aren't allowed to put some additional evidence into 11 the record. 12 JUDGE JACOBS: Okay. We've got an issue with 13 regard to what Mr. Ratermann might want to tell us about other 14 proposals that were identified in surrebuttal to upgrade the 15 system, and then now additional information that you would like 16 to offer in regard to continuing authority which to some degree 17 is prompted by some exhibits that the Company has identified but 18 not yet offered. 19 Judge, just to clarify, continuing MS. GRIFFIN: 20 authority as well as authority of the District under its own 21 regulation, which is a part of the whole continuing authority. 22 There is overlap on those issues, and those regulations are 23 included in one of the schedules to Mr. Ratermann's testimony. 24 JUDGE JACOBS: Okay. And are those the only

issues that you were hoping to ask Mr. Ratermann to address at

25

this time under questioning from you? 1 2 MS. GRIFFIN: I believe those topics, yes, are encompassed by that. It's the continuing authority, the 3 4 authority under the regulations that are part of that schedule, 5 the boundaries of the District which goes to our Exhibit 203, 6 that was added to our exhibit list, and the treatment options 7 that we discussed earlier. 8 JUDGE JACOBS: Is there a reason why all of the 9 evidence that you wanted to present, as to continuing authority, 10 was not included in your rebuttal filing? 11 MS. GRIFFIN: Yes. Because they raised it in 12 their surrebuttal testimony and schedules. I mean we're in a proceeding today, and Missouri-American is being allowed to 13 14 change a portion of its application and I feel that it's only 15 fair that we be allowed to respond to issues, matters that were raised in surrebuttal. 16 17 MR. COOPER: You know, Judge, the continuing 18 authority order -- continuing authority issue was raised in 19 rebuttal of the Sewer District. So they certainly had an 20 opportunity to discuss that issue. I believe treatment options 21 to a great extent were addressed in our direct. So there was 22 also the opportunity to address those in rebuttal testimony. 23 MR. PRINGLE: Yeah, Judge, we've had a 24 continuing authority in our Staff recs, that was also in our 25 direct. And I guess a lot of these I'm hearing it sounds more

like this is -- this relates more back to briefing than a need for direct as to interpretation of the authority. I guess I don't see a reason for the direct right now. And if Missouri-American Water were to use the exhibits they shared yesterday in a cross-examination of Mr. Ratermann, Ms. Griffin will have a chance to question him on redirect.

JUDGE JACOBS: So as far as proposed exhibits that have not been offered, I don't think that we can use those at this point as a basis to say that an issue has been opened up. It is a different story if those exhibits are, in fact, used, as Mr. Pringle has just said. So I'm not persuaded that identifying potential documents on an exhibit list, which is what the Commission asked these parties to do, should be relied upon to -- before those exhibits are even offered to bring in issues that may be new issues.

The District's contention, as to continuing authority, seems to me, to have been present at the very start of the District's intervention in this case. At the same time, I think the Commission should have the benefit of the information that is available to make a good decision. So I don't think that necessarily we should be overly concerned if every single thing wasn't identified at a certain point in the process is, in fact, that would help guide a good Commission decision.

I believe that what I would prefer to do is to

ask Ms. Griffin to proceed in the way that commission testimony typically proceeds. And to offer Mr. Ratermann's testimony and allow the other parties to engage in cross-examination, and as is always expected in commission proceedings, then questions come from the bench and those are responded to. And, although, this might be a little bit unconventional, I think what I would prefer to do is see where we end up at that point, after we have gone through the ordinary process, and everyone who has come to this hearing today prepared has asked all the questions that they are prepared to ask of Mr. Ratermann. I think it's possible that having done that, we make end up in a situation where the District has provided virtually all the information that they think they would like to put in front of the Commission.

So, essentially, what I'm asking the parties to do is table this issue for the moment. And I'm asking

Ms. Griffin to proceed to offer Mr. Ratermann's testimony, as it was filed, and tender the witness for cross, and see where cross goes, and see where questions from the bench go. And then if we have a dispute at that point that has to be resolved about whether we need to use -- to allow some additional questions that go into other areas, then we can take that up at that point. I think I can make a better decision when I have more information about what Mr. Ratermann is going to say on cross and what answers he has for the bench.

```
Does anyone have any objection to that
 1
 2
    procedure? Okay.
                      So I think where we would be now is I believe
 3
 4
     Ms. Griffin would offer Mr. Ratermann's prefiled testimony.
 5
                      MS. GRIFFIN: Yes, Judge.
    BY MS. GRIFFIN:
 6
 7
                      Mr. Ratermann, if I were to ask you questions
              Ο.
     contained in Exhibit 200, would your answers be the same today
 8
 9
     as they are in Exhibit 200?
10
              Α.
                      Yes.
11
                      And are those answers true and correct to the
              O.
12
     best of your knowledge and belief?
13
              Α.
                      Yes.
14
              Q.
                      Thank you, Mr. Ratermann.
                      MS. GRIFFIN: At this time the District wish to
15
     enter Exhibit 200 into the record.
16
                      (WHEREIN; Exhibit 200 was offered into
17
18
     evidence.)
19
                      JUDGE JACOBS: Thank you very much, Ms. Griffin.
20
     Are there any objections to District's Exhibit 200, which is
21
     Mr. Ratermann's prefiled rebuttal testimony? All right.
22
     Hearing none, Exhibit 200 will be admitted to the record.
23
                      (WHEREIN; Exhibit 200 was received into
24
     evidence.)
2.5
                      JUDGE JACOBS: We can now proceed to any
```

cross-examination of Mr. Ratermann, and we would start with 1 2 Staff. 3 MR. PRINGLE: Thank you, Judge. CROSS-EXAMINATION BY MR. PRINGLE: 4 5 0. Good afternoon, Mr. Ratermann. 6 Α. Good afternoon. 7 Ο. Now, how many sewer customers does the District 8 currently serve? 9 Α. About 7,200. 10 And how many wastewater treatment facilities 0. does the District operate? 11 12 Α. Twenty-one. 13 Now, if the Commission were to reject 0. Missouri-American Water's application for a CCN, that wouldn't 14 15 mean that the District will automatically get the City of 16 Hallsville's system. Correct? 17 Α. No. 18 0. Hallsville would continue the operate the system 19 on its own, as it has for years now. Correct? 20 -- offer it to Boone County Regional Sewer District. 21 22 JUDGE JACOBS: So we did not get that answer. 23 apologize for interrupting. It appears Mr. Ratermann's 24 connection is not great. So what I'm going to do is ask 2.5 Mr. Ratermann if he can hear me, could you disengage your video

for us and just try to rely on audio? Sometimes that helps. 1 2 And then I'm going to ask Mr. Pringle to repeat his question. I apologize for that. Thank you. 3 BY MR. PRINGLE: 5 0. Mr. Ratermann, the question was: Hallsville 6 could continue to operate the system on its own, as it has for years. Correct? 7 8 Α. They could until they decided not to, in which case they would need to offer it to the Boone County Sewer 9 10 District. And it's your position, Mr. Ratermann, that 11 0. 12 they'd have no choice but to offer it to the District if they do 13 not want to run their system; is that correct? 14 Α. Correct. 15 Now, has the District never exercised its Level O. 16 2 continuing authority to prevent the sale of municipally owned 17 systems to a different service provider? 18 Α. No. 19 And the District also did enter a proposal to 0. 20 purchase the system from Hallsville. Correct? 21 Α. Yes. 22 But in the end, the City chose Missouri-American Q. 23 Water over the District; is that correct? 24 Α. It appears that way. 2.5 Q. Thank you. Mr. Ratermann. I have no further

```
1
     questions.
 2
                      JUDGE JACOBS: Thank you. We can proceed to any
     cross-examination from Missouri-American.
 3
                      MR. COOPER: Thank you, Judge.
 5
     CROSS-EXAMINATION BY MR. COOPER:
 6
              Ο.
                      Sir, could you pull up Schedule TR-1 Part 4 from
 7
     your rebuttal testimony?
                      Schedule TR1, Part 4?
 8
              Α.
 9
                      Correct.
              0.
                      Yes. I have it.
10
              Α.
11
                      Okay. And the first page is marked Page 161 of
              Ο.
12
     213. Correct?
13
              Α.
                      Yes.
                      And is that a listing of, I guess, both past
14
              Q.
15
     actual and projected future rates for the District?
16
                      It is an excerpt from the user rates study.
              Α.
17
     You're talking about the very first page, 16--
18
                      One-six-one?
              0.
19
                      Yes, it is an excerpt from a --
              Α.
20
              O.
                      So if I look at the top bar, I guess there is a
     Rate A Actual that starts in 2018. Does that mean that those
21
22
     were the District's actual rates in 2017 and 2018?
23
              Α.
                      I would have to go back and verify that.
24
                      Okay. Well, look at the year 2021. There is a
              O.
     total charge listed of $65.91. Is that current District rate?
25
```

1	Α.	It is, yes.
2	Q.	Would you also turn to Schedule TR-5, and then
3	Page 2 of two.	Let me know when you are there.
4	A.	I'm there.
5	Q.	Okay. At the top of that near the top
6	well, first off,	there is a yellow line across that page.
7	Correct?	
8	A.	Correct.
9	Q.	And at the top of that line it is marked Cedar
10	Gate WWTF. Corre	ect?
11	A.	Correct.
12	Q.	And at the other end of that yellow line, it
13	says, Gravity sewer connection; is that correct?	
14	A.	Correct.
15	Q.	And is the gravity sewer connection close to
16	the, I guess, who	at's been referred to as the Rocky Fork
17	wastewater treat	ment facility?
18	A.	I would say it's about two miles away, but the
19	red dot labeled,	Gravity sewer connection, from that red dot
20	there is a gravi	ty sewer all the way to the Rocky Fork
21	wastewater treat	ment plant.
22	Q.	Okay. And that is in existence today, I take
23	it. Right?	
24	A.	Correct.
25	Q.	If I go back up to the top of that that

1	sheet, and I look at the portion of the line from Cedar Gate to		
2	Richardson Acres, is that line in service and in use today?		
3	A. It is not.		
4	Q. Was that line contemplated in the District's		
5	facility plan prior to the December 10, 2020 amendment?		
6	A. No, it was not. It was prompted by permit		
7	negotiations with DNR on Cedar Gate.		
8	Q. So you have you, being the District, the		
9	District has a problem with the Cedar Gate wastewater facility		
10	that it needs to address; is that accurate?		
11	A. I would not call it a problem, but we have a		
12	compliance schedule to come into compliance with ammonia and		
13	E. Coli we have a compliance schedule in our permit.		
14	Q. Now, I mentioned the December 10, 2020 amendment		
15	to the facility plant. Has that amendment been approved by the		
16	Clean Water Commission as of today?		
17	A. No.		
18	Q. Now, also looking at		
19	A. Let me go back to that a second.		
20	Q. Go ahead.		
21	A. You asked if it has been approved by the Clean		
22	Water Commission. The facility plans, the approval is by the		
23	Department, itself, usually in the form of a finding of no		
24	significant impact or categorical exclusion.		
25	Q. Which would be different than approval by the		

Clean	Water	Commi	ggion?
Crean	water	COIIIIII	SSIOH

- A. If my memory serves me, what we get is a letter from the Department of Natural Resources reviewing the facility plan and including usually that it's a finding of no significant impact.
- Q. But, again -- I guess my question is: Is that something different than approval by the Clean Water Commission?
- A. I don't know that I'm qualified to answer that. If an approval by DNR staff is different than an approval by the DNR Clean Water Commission, I don't know that I'm qualified to answer that.
- Q. Yeah. So I think that you just don't know the answer to my question; is that accurate?
 - A. Okay. Yeah.
- Q. Now, again, looking at our -- this map that is on the -- that we started in talking about, there is another section of this line that goes from about the Richardson Acres WWTF, down to the Brown Station booster pump station, or Brown Station WWTF. Is that portion of the line in service and in use today?
 - A. No, it is not.
- Q. And then the same question, the portion of the line from Brown Station WWTF to the gravity sewer connection we talked about earlier, is that portion of the line in service and in use today?

1	A. No, it is not.
2	Q. We talked a little bit about the need to address
3	some issues with Cedar Gate. Does the District also have a need
4	to address issues with Richardson Acres Richardson Acres and
5	the Brown Station WWTF?
6	A. We do. We have compliance schedule on the
7	Richardson Acres permit that requires ammonia removal and
8	E. Coli removal. We also have a compliance schedule on the
9	Brown Station permit that requires a lower ammonia limit and
LO	E. Coli removal.
11	Q. And those problems or those issues need to be
L2	addressed one way or another, whether Hallsville sells its
13	system to Missouri-American or not. Correct?
L4	A. Yes.
15	Q. And do I understand from your amended facility
L6	plan that the means of financing improvements described in that
L7	document is proposed to be used with the state revolving fund?
L8	A. That is one option.
L9	Q. My memory is that is the option that was
20	identified in the facility plan. Were there other options
21	identified in the facility plan?
22	A. I would agree that probably that is the only
23	option identified in the facility plan.
24	Q. Now, in looking at your resume it appears that
25	well, I think you have been employed with the District since

1	about March of 2	004; is that correct?
2	Α.	Yes.
3	Q.	And were you the general manager of the District
4	even prior to th	at March of 2004 date?
5	Α.	I was.
6	Q.	How long before when did you start as general
7	manager of the D	istrict?
8	Α.	It was either 1999 or 2000. 2000, I believe.
9	Q.	And would you have been involved with the
LO	District's appli	cation for the Level 2 continuing authority
11	that's been disc	ussed here today?
L2	Α.	Yes.
L3	Q.	And before seeking that authority, did the
L4	District first g	o to the Boone County Commission to get its
L5	support for that	application?
L6	Α.	I would say we did it simultaneously.
L7	Q.	And is it accurate that the Boone County
L8	Commission issue	d an Order providing support for that
L9	application?	
20	Α.	Yes.
21	Q.	And do you have with you Missouri-American
22	Exhibit 5?	
23	Α.	I do.
24	Q.	And it's a document, correct, that is
25	identified, Cert	ified Copy of Order, at the top. Is that what

1 you're looking at? 2 Α. I have it. It is Commission Order 353-2009. Great. Thank you. And is this the copy of the 3 Ο. Order issued by the Boone County Commission in support of the 4 Level 2 continuing authority application? 5 6 Α. Yes. 7 And if you would look near the bottom of Page 1 Ο. 8 of that document, there's a -- or the subheading that says, 9 Resolution. Do you see that? 10 I do. Α. 11 Would you agree with me that it states: Ο. 12 therefore resolved by the Boone County Commission to support the 13 Boone County Regional Sewer District and the City of Columbia in 14 filing a joint application for tier two continuing authority 15 with the Clean Water Commission -- for the Clean Water Commission's approval. The application shall request that the 16 17 Boone County Regional Sewer District be approved by the Clean 18 Water Commission as the tier two's continuing authority in 19 unincorporated Boone County, and that the City of Columbia be 20 approved by the Clean Water Commission as the tier two 21 continuing authority inside the corporate limits of the City of 22 Columbia? 23 Α. I would agree that that is what it says. 24 Ο. Okay. Are you familiar with a person by the

25

name of Leslie Oswald?

1	A.	I am.
2	Q.	And who would that be?
3	Α.	She retired as the finance manager of the Boone
4	County Regional	Sewer District on March 31st of this year.
5	Q.	Would she have been involved in the effort to
6	get the Boone Co	unty Commission's support for the tier two
7	authority applic	ation?
8	Α.	Yes.
9	Q.	And I assume there would have been a meeting
10	before the Boone	County Commission where that request for
11	support was disc	ussed by the Commission. Would that be
12	accurate?	
13	Α.	Yeah.
14	Q.	Did you attend that meeting?
15	Α.	I don't know.
16	Q.	Okay.
17	Α.	That was a long time ago.
18	Q.	Would you look at Exhibit 6, if you have that
19	before you?	
20	Α.	I do. I've got it.
21	Q.	And on Page 2, there at the very top, it starts:
22	Leslie Oswald, B	oone County Regional Sewer District. Do you see
23	that?	
24	Α.	I do.
25	Q.	Have you had a chance to read that that

1	portion of the document? Let me know after you've after
2	you've read that.
3	A. I've read it.
4	Q. Okay. Does that refresh your recollection of
5	that meeting or whether you were in attendance at that meeting?
6	A. I don't know if I was in attendance, but it
7	COURT REPORTER: I'm sorry, did he answer? I
8	just heard, but it?
9	JUDGE JACOBS: I think that your line is cutting
10	out, Mr. Ratermann. So if you want to start over and try to
11	answer that again, please.
12	MR. RATERMANN: It does refresh my memory.
13	BY MR. COOPER:
14	Q. And would you say that the minutes well,
15	let's back up just a second. Would you agree with me that these
16	are Boone County Commission minutes from 30 July 2009?
17	A. Yes.
18	Q. And would that description of Ms. Oswald's
19	presentation to the Commission be consistent with your memory?
20	A. Yes, but we used that term unincorporated area
21	as a generic term. When we when people call in and ask us
22	where we serve when a customer calls on the phone, it is easy
23	to explain to them that we serve the unincorporated areas of the
24	county. In that manner, it's a generic term.
25	O. So looking again at that document, would you

```
1
    agree with me that the first paragraph indicates that Ms. Oswald
 2
    stated the BCRSD and the City are both going to the Clean Water
    Commission to ask for tier two continuing authority for specific
 3
    territories? She's stated the City's territory would be the
 4
 5
    city limits and the BCRSD territory would be the entire county
 6
     in the unincorporated areas. She stated, We would not have
 7
    authority in the small municipalities; is that correct?
 8
              Α.
                      That's what the minutes say. Yes.
 9
                      MR. COOPER: Judge, at this time I would offer
    Exhibit 5 and Exhibit 6 into evidence.
10
11
                      JUDGE JACOBS: Thank you. Is there any
12
    objection to the Company's Exhibits marked 5 and 6?
13
                      (WHEREIN; Exhibits 5 and 6 were offered into
14
    evidence.)
15
                      JUDGE JACOBS: Mr. Pringle indicated no
16
    objection.
17
                      And Ms. Griffin?
18
                      MS. GRIFFIN: No objection, Judge.
19
                      JUDGE JACOBS: Hearing no objection, those
20
     exhibits will be admitted to the record.
                      (WHEREIN; Exhibits 5 and 6 were received into
21
22
    evidence.)
23
                      MR. COOPER:
                                   Thank you, Judge. That is all the
24
    questions that I have at this time.
2.5
                      JUDGE JACOBS: Thank you.
```

The floor would now be open for any questions 1 2 from the bench. If we have questions from commissioners, they will speak up. If a commissioner has joined us by telephone, I 3 apologize. I did have to silence or mute some of the phone 4 5 connections. If you are having difficulty getting through, you 6 might press star-6 to unmute yourselves and/or otherwise have 7 someone send me a message and let me know you are trying to get 8 through. 9 OUESTIONS BY JUDGE JACOBS: So Mr. Ratermann, I wanted to ask you about the 10 0. 11 District's agreements with the City of Hallsville concerning the 12 Silver Creek and Sunnyslope subdivisions. Earlier in this hearing, the documents that I am referring to were admitted to 13 14 the record. And if you have access to the file record in this 15 case, you would find them in the August 31, 2020 filing by the 16 Company. They were marked as Appendix E and Appendix F. 17 Mr. Ratermann, can you confirm whether you're 18 able to consult those documents? 19 Can you give me that day again, Judge? Α. 20 Ο. Yes. August 31, 2020, I believe was the filing 21 date. And it is actually a Company filing, so it was a 22 Missouri-American filing. Everything is all together in one document. So the Appendix -- the Appendices are not broken out 23

A. Yes. I am there.

24

2.5

into separate attachments. You'll just be opening one PDF.

1	Q.	Okay. It looks like Appendix E starts on Page
2	13. So that's a	n ordinance. And then do you see the next
3	document, the co	operative agreement?
4	Α.	I do.
5	Q.	And to confirm that we're talking about the same
6	thing, which sub	division does that agreement concern?
7	Α.	This one refers to Sunnyslope.
8	Q.	Okay. And it appears if you scroll down to the
9	signature page,	this is not the agreement that you had signed,
10	but I believe th	at you are a signatory or are you a signatory to
11	the Silver Creek	agreement?
12	Α.	Yes, I signed Silver Creek.
13	Q.	Are you familiar with both of these agreements?
14	Α.	I am.
15	Q.	Okay. Can you tell us if any District customers
16	are currently re	ceiving services from the City of Hallsville
17	sewer system in	Sunnyslope?
18	Α.	They are not. There are none.
19	Q.	And in Silver Creek?
20	Α.	I believe it's three or four.
21	Q.	Previous testimony had indicated that these
22	agreements call	for some payments to be made to the City by the
23	District to conr	ect customers. Have payments been made under
24	these agreements	?
25	Α.	I believe that if you look at Sunnyslope, I

- 1 think it was Paragraph 10 that we talked about earlier. I 2 believe we paid this payment to Sunnyslope. So no customers are being served in Sunnyslope, 3 0. but the \$5,100 one-time connection charge has been made, has 4 5 been paid to the City? 6 Α. I mean I would have to verify it, but Paragraph 7 10 says this one-time connection charge shall be paid 8 contemporaneously with the signing of this agreement. I believe we took care of this. 9 10 Were there some actual modifications that needed 0. 11 to be made to put this agreement into effect so that customers 12 could be served at Sunnyslope? So actual construction changes 13 or changes in that sewer system for that subdivision? 14 Α. Yes. I would refer you to Exhibit A of this 15 agreement. We have labeled the approximate location of the 16 existing Hallsville gravity sewer as Point C. We would have to build a sewer from Point C to Point E. 17 18 And do you know if that has been done? 0. 19 That has not been done. Α. 20 0. Okay. So your testimony as to whether a payment was made I didn't think was definitive. You believe it would 21 22 have been taken care of contemporaneously, but are you confident 23 that that happened?
 - A. Yes. I am confident that happened.

24

25

Q. And your testimony is also the actual physical

1	
1	connection, the construction work that would have to be done,
2	that has not been done?
3	A. Correct.
4	Q. And no District customers are currently being
5	served in Sunnyslope with sewer connection to the City of
6	Hallsville; is that correct?
7	A. That is correct.
8	Q. Okay. So moving over to Silver Creek, you
9	previously testified you thought three or four customers are
10	being served. Would that be three or four lots within that
11	subdivision that have a connection to Hallsville and serviced
12	through Hallsville?
13	A. Yes.
14	Q. Okay. And I would ask you if a payment has been
15	made under the Silver Creek agreement to the City?
16	A. I don't know for certain.
17	Q. And do you know if any well, first of all, is
18	any constriction work, modification of the sewer system or any
19	new installation required for the Silver Creek agreement?
20	A. Yes.
21	Q. And is that also depicted on the map that is
22	attached as Exhibit A to that agreement?
23	A. It is not.
24	Q. It is not. Can you describe it can you
25	describe that work to us, potentially, with reference to the

1	agreement if you can find the location in the agreement?
2	A. Well, in Paragraph 2 and Paragraph 3 refer to
3	it. Paragraph 2 refers to the connecting sewer. It's the sewer
4	connecting the Silver Creek subdivision to the City of
5	Hallsville collection system. And three says the developer
6	shall prepare the plans and specifications for construction of
7	the connecting sewer.
8	Q. Is it your understanding that that work has been
9	completed?
LO	A. Yes.
11	Q. Is the Silver Creek subdivision a new
L2	subdivision, such that new homes are being constructed on lots
L3	there?
L4	A. Yes.
L5	Q. I think we previously were told that the
L6	Sunnyslope subdivision, on the other hand, was an existing
L7	subdivision that already had homes and there wasn't new
L8	development taking place. Is that your understanding?
L9	A. Yes. I would say Sunnyslope has been in
20	existence for at least 40 years.
21	Q. Are these subdivisions residential subdivisions
22	made up of single-family homes?
23	A. Yes.
24	Q. Are you able to give us a sense of the number of
25	lots in the different subdivisions? Do you know the lots in

1	Sunnyslope?
2	A. I believe the agreement says 17. And I believe
3	that is correct.
4	Q. Could you remind me of which paragraph we can
5	find that reference in? Thank you.
6	A. It is also in Paragraph 10. There is a
7	reference to 17 units.
8	Q. And then Sunny I'm sorry, Silver Creek, does
9	that agreement also tell us how many lots are in that
10	subdivision? Yes, I think it does. I counted in the do you
11	see the, Whereas paragraph on the first page?
12	A. Yes.
13	Q. And what does that tell us?
14	A. It references seven single-family lots. It is
15	also in Paragraph 2.
16	Q. Thank you. So why did the District enter into
17	the agreement regarding Sunnyslope with the City?
18	A. We knew that there were regulations coming from
19	DNR that would require disinfection and ammonia removal. And
20	the current treatment facility, there is not sufficient land
21	area there to improve the facility, and there was an existing
22	gravity sewer owned, operated, and maintained by City of
23	Hallsville. If you look at Exhibit A, that map is a scale. I
24	would say we have to build about 400 feet of sewer to connect to

the City of Hallsville, and we commissioned a facility plan by a

consulting engineer. We looked at all options and the 1 2 connection to the City of Hallsville was best for the environment and best economically. 3 So is Sunnyslope -- is it a lagoon system that's 0. in place for Sunnyslope through the District? 5 Yes, it is. 6 Α. 7 And is that lagoon system still operational? Ο. 8 Α. Yes, it is. 9 So it is being used at this time? 0. Yes, it is. 10 Α. 11 And could it be used in the future for the Ο. 12 homes? 13 It could, yes. Α. 14 Q. Okay. 15 As I mentioned earlier, there's a compliance Α. schedule on that Missouri state operating permit. 16 17 Ο. So the performance of that system is going to 18 have to change in the future and making that possible may be 19 challenging under current conditions. So the desirable outcome 20 was to just hook up to Hallsville. Do I understand you 21 correctly? 22 Α. Yes. 23 Q. And can you tell me about why the District 24 entered into an agreement with Hallsville for the Silver Creek subdivision, which is a new -- a new development? 2.5

- It was proposed by a real estate developer 1 Α. 2 and the real estate developer wanted these lots to be served with Public Sewer. This is not to contiguous to the city 3 4 limits. Cities cannot provide sanitary sewer service outside 5 their city limits without the consent of the Sewer District. 6 And because of that, we worked out this connection agreement 7 between the City of Hallsville and the Sewer District for this 8 subdivision. 9 Ο. Is your understanding that as additional lots 10 are developed in Silver Creek under this agreement, they will be 11 able to connect and get service from the Hallsville system? 12 Yes. That's that way I interpret this Α. 13 agreement. 14 0. And if those -- if the District had not agreed 15 to consent to connection to the city sewer system, what would 16 have been the options for that developer and the developer's, 17 essentially, customers buying homes out there? 18 That's a little more complicated answer. Α. Boone 19 County has a zoning ordinance and subdivision regulation. 20 Boone County Health Department also gets involved in these
 - matters. And the best answer that I have is that it's a collaborative approach between County of Boone -- Boone County Research Management Department implementing the zoning ordinance and the subdivision regulation, and the Boone County Health Department, and the Boone County Regional Sewer District to

21

22

23

24

2.5

1	require developers to put in public sewers where it's where
2	it is best.
3	Q. Does the District's status of the continuing
4	authority in the County mean that those folks who bought homes
5	in that development would have had to be District sewer
6	customers or could they have put in a private sewer?
7	A. So the Sewer District has regulations to define
8	four different classes of sewer systems; public sewer systems,
9	private common collectors, private sewer systems, and private
10	on-site wastewater systems.
11	Q. And I believe that you just told us that this
12	development would have been required to put in a public sewer
13	system; is that correct?
13 14	system; is that correct? A. Yes.
14	A. Yes.
14 15	A. Yes. Q. And is that because of the provisions of the
14 15 16	A. Yes. Q. And is that because of the provisions of the District's own regulation?
14 15 16 17	A. Yes. Q. And is that because of the provisions of the District's own regulation? A. That, and it was the developer's desire to serve
14 15 16 17 18	A. Yes. Q. And is that because of the provisions of the District's own regulation? A. That, and it was the developer's desire to serve these lots with public sewers.
14 15 16 17 18	A. Yes. Q. And is that because of the provisions of the District's own regulation? A. That, and it was the developer's desire to serve these lots with public sewers. Q. Okay. I think that is probably as detailed as
14 15 16 17 18 19 20	A. Yes. Q. And is that because of the provisions of the District's own regulation? A. That, and it was the developer's desire to serve these lots with public sewers. Q. Okay. I think that is probably as detailed as we need to be of that particular point. Is there anything else
14 15 16 17 18 19 20 21	A. Yes. Q. And is that because of the provisions of the District's own regulation? A. That, and it was the developer's desire to serve these lots with public sewers. Q. Okay. I think that is probably as detailed as we need to be of that particular point. Is there anything else you think the Commission needs to understand about that?

does not assume the City's obligation under those agreements or

if the District and the Company are not able to reach new agreements?

- A. Well -- what these agreements -- the way I read these agreements, the City of Hallsville has an obligation to provide service to these seven lots in Silver Creek and the 17 lots in Sunnyslope. And if -- if the City of Hallsville does not honor its obligations, Sewer District Board of Trustees would have to decide how it's going to enforce these two contracts.
- Q. So my question was actually a little bit more pragmatic than a legal question. So you've already told us that the Sunnyslope folks have a lagoon there that's in place, that although it isn't potentially going to comply with regulation here in the future, it's in place and has been used to serve those residences in that subdivision?
- A. So if you are asking what the technical options are at Sunnyslope, the Sewer District does have the ability to acquire land and the Sewer District could acquire sufficient land to build some kind of treatment system to keep Sunnyslope into compliance with DNR regulations.
- Q. And then is there a different situation for Silver Creek because it was built to connect with Hallsville?
- A. I would think so. I mean there is a pipe running from these seven lots connecting to a pipe that is currently owned by the City of Hallsville. If the Sewer

District -- I would have no intention of disconnecting that
pipe. If somebody else tries to disconnect that pipe, we'd have
to have some kind of conversation about that.

- Q. I have a question for you about Staff's recommendation in this case concerning a requirement that the company negotiate with the District in regard to Sunnyslope and Silver Creek. And my question is: Does it make sense to you that that negotiation process start after any permit is issued by DNR?
- A. No. I think -- I think these agreements need to be worked out and resolved before conveyance is made between the City of Hallsville and Missouri-American, if that's what's going to happen.
 - Q. And could you explain why?
- A. Because the business, the Sewer District needs certainty in its operations.
- Q. Okay. I want to ask you about your testimony on Page 10 that indicates a major goal of the plan is to eliminate existing wastewater treatment facilities within Boone County.
 - A. Can you -- what plan -- is this a facility plan?
- Q. So on Page 10 of your testimony, we can find that, and then you can -- part of my question is exactly the plan that you are talking about.
- So it appears that you have referenced multiple facility plans for defined areas in Boone County. So this

appears to begin on Line 5 and runs through Line 12. 1 2 Α. Hang on a second. Can you give me a date on that? 3 Your rebuttal testimony was filed on February Q. 5 23rd, I believe. 6 Α. Thank you. 7 This appears on Page 10. Ο. Sure. 8 Α. Okay. I'm on Page 10. 9 Okay. So beginning on Line 5 through Page 12, 0. that's the passage I was referring to. And I was focusing on 10 11 your statement in regards to the goal of eliminating wastewater 12 treatment facilities in the county. 13 Α. Okay. 14 So here, the plans that you are referencing are 0. 15 facility plans? 16 Α. Correct. Facility plans and capital improvement 17 plans that we have developed over the years. 18 And I believe that attached as a schedule is one 0. 19 of these plans, as TR-1. 20 Α. Yes. 21 And it's the attachment that is very large so it 0. 22 was made in multiple parts. 23 Α. Yes. 24 Okay. So that's the Boone County Regional Sewer Ο. 25 District facility plan for the Richardson Acres and Brown

1 Station wastewater improvement. It's indicated that it's an 2 Amendment 1? 3 Α. Yes. Okay. So your statement that -- once again, to 0. 5 go back to my question. You've indicated that a goal of the 6 plan -- so when you are referring to the plan here, you are 7 referring to all of the District's facility plans collectively? 8 Or what are you referring to? 9 Α. Yes, all of the facility plans the Sewer District commissioned over the years. 10 Okay. And -- and I cut you off there. 11 Ο. 12 believe you were saying all of the plans including this one? Yes. That is correct. 13 Α. 14 Ο. Okay. And so first, I just wanted to ask you 15 what does this goal mean, elimination of wastewater treatment 16 facilities? Your testimony indicates the District owns 21 17 facilities. Does that mean the goal is to get rid of all of 18 them and centralize wastewater treatment and disposal? Just 19 explain that, please. 20 So the Sewer District has these 21 treatment 21 facilities in the county. Prior to anti-degradation, prior to 22 disinfection, real estate developers, if they were creating 23 developments that were dense enough, were required to put in 24 public sewers and treatment facilities. And between Boone

County zoning ordinance, and the Boone County subdivision

regulations, and the Sewer District's own regulations, these facilities were required to be conveyed to the Sewer District in much the same way that roads are required to be conveyed to the county, and the water lines are required to be conveyed to rural water districts.

And as these facilities age and there's a need to modernize them, the Sewer District works to consolidate these treatment facilities in different locations. A good example is this Rocky Fork wastewater treatment facility that we are talking about. When we built that, we took out the Rayfield lagoon, Bon Gore lagoon, County Downs lagoon, Powell (ph) lagoon, Lenoir lagoon, and the Wagon Trail lagoon. And since that time, there's been private DNR permitted facilities that also connected. Some of these developments, like I mentioned before, Sunnyslope -- actually, I believe Sunnyslope was built in about 1971. So some of these are almost legacy issues from either before Boone County had planning and zoning or in the -- right after Boone County had got planning and zoning and these things were still being created.

To give you a little more history about the Sewer District, some of these facilities, the developers conveyed them to neighborhood associations. And some of them, the developers convey them to a PSC regulated company that was called Mid-Missouri Sanitation. And in about the late '80s, the county commission conveyed about 15 of these facilities that

neighborhood associations had given to the county commission. 1 2 The county commission conveyed them to the Sewer District, and the Sewer District bought out the old Mid-Missouri Sanitation 3 company. And that's how the Sewer District became operational 5 in the late '80s. 6 We acquired about 30 facilities all at one time and became operational. Since that time, our capital 7 8 improvement plans have revolved around regionalization and either building treatment on our own and consolidating these 9 facilities and serving new growth, or in some instances 10 11 connecting them to the City of Columbia or the City of 12 Hallsville. 13 So trying to summarize what you just shared with 14 us, it sounds as though the District's strategy has been to 15 connect to municipal systems or establish treatment systems to 16 centralize other smaller systems? 17 Α. Yes. I think that is an accurate 18 representation. 19 So I have a question for you about the facility 0. 20 plan that is attached to your testimony, which we just went 21 through the process of locating together. It's TR-1, and I believe it has a date of December 10, 2020 on it. 22 23 Α. Yes. 24 So -- and that plan talks about connecting Ο. 2.5 Hallsville, essentially, to the Rocky Fork treatment facility;

1	is that right?
2	A. Yes.
3	Q. Okay. So is there a previous draft of the plan
4	that does that or was that introduced in the December 2020
5	draft?
6	A. It was introduced in December 2020 draft.
7	Q. So at the point when the we've heard
8	testimony that the District also made an offer to the City of
9	Hallsville to acquire that system?
LO	A. Yes.
L1	Q. At that time was the District proposing to
L2	transport Hallsville waste to Rocky Fork?
L3	A. Yes.
L4	Q. But that plan did not appear in a facility plan
L5	yet?
L6	A. Correct.
L7	Q. And is there a reason why it did not?
L8	A. Well, two reasons. One is that City of
L9	Hallsville issued a request for proposal to sell their
20	wastewater system. And as part of our developing our proposal
21	to the City of Hallsville, we wanted to develop a plan to solve
22	the problem, and so we commissioned our consulting engineer to
23	make this amendment.
24	The second reason is so we've talked about
25	these 21 wastewater treatment facilities that Boone County owns

and operates. At one time, not too long ago, all of the operating permits with one or two exceptions were expired. And we were in the process -- we were in a lengthy negotiation with Missouri Department of Natural Resources to renegotiate these -- to get these permits issued so that we would have some certainty in our business operation. And Cedar Gate was re-issued and it had a compliance schedule for coming into compliance with ammonia and E. Coli.

Our original plan for Brown Station and Richardson Acres was to connect to the City of Columbia, but our connection agreement with the City of Columbia did not include Cedar Gate. So it became apparent we weren't going to be able to connect Cedar Gate to Hallsville. So we revised this plan to connect Cedar Gate to Richardson Acres, Brown Station to Rocky Fork and serve Hallsville.

And I might add, we also have another treatment facility. If you look at -- got back to Schedule TR-5, first page, if you look to the west of the Hallsville city limits, you will see another sewer district facility called Quarter Mile Hill. It too has a compliance schedule for ammonia and E. Coli. So the vision of this plan served many purposes.

Q. Okay. And I want to clarify something, because I believe that a previous draft of the facility plan was attached to a District filing in September. And so I want to make sure that that is consistent with what you have just told

us so that if a clarification is needed, we could take care of 1 2 that right now. So it looks like September 8th of 2020, the 3 4 District filed a reply to the Company's opposition to 5 intervention, and that included as Appendix A, a draft facility 6 plan dated August 10th of 2020. 7 Will you let me know when you can find that, 8 Mr. Ratermann? I can give you dates again if it's helpful. 9 Α. Yes, if you can give me the date again, that would be helpful, please. 10 It's September 8, 2020. And this is a District 11 12 filing and you'll be looking at Appendix A. 13 Α. Okay. I'm looking at that. So -- Okay. I'm ready for your question. 14 15 Okay. So this particular plan is dated August Ο. 10, 2020. Can you tell me what the difference is between this 16 plan and the one that was attached to your testimony? 17 18 Α. So the August 10, 2020 version just Yes. 19 included Richardson Acres, Brown Station, Cedar Gate, and the 20 private DNR permitted facilities along the route. December 10, 2020 version included Hallsville. 21 22 Q. So included the proposal to take Hallsville 23 waste, I guess, from Cedar Gate, then all the way down to Rocky 24 Flats. Am I understanding that correctly? 25 Α. Yes.

```
JUDGE JACOBS: Okay. So this particular
 1
 2
     attachment that I have identified, everyone, I will propose that
     it be admitted to the record as Commission's Exhibit 307, to
 3
    help me understand Mr. Ratermann's testimony. Does anyone have
 5
     an objection?
                      (WHEREIN; Exhibit 307 was offered into
 6
 7
     evidence.)
                      JUDGE JACOBS: That would be Appendix A to the
 8
 9
     District's filing on September 8, 2020. I'm hearing no
     objection. So that will be admitted to the record as
10
11
     Commission's Exhibit 307.
12
                      (WHEREIN; Exhibit 307 was received into
13
     evidence.)
14
    BY JUDGE JACOBS:
15
              0.
                      Okay. I wanted to ask you, Mr. Ratermann, about
16
     how these facilities plans are reviewed, if at all. So your
17
     testimony attaches a facility plan with the date of December
18
     2020. You were previously asked about whether it's been
19
     approved by the Clean Water Commission, which developed into
20
     your testimony that, in fact, it would be the Department of
21
    Natural Resources that would approve it, in your understanding.
22
                      So my question for you is: In regard to the
23
     December facility plan that's attached to your testimony, has
     that been submitted to DNR for review of any kind?
24
2.5
              Α.
                      It has. Yes.
```

1	Q. Okay. And how long does that review typically
2	take and when do you know if you have a problem?
3	A. You know, that schedule is somewhat DNR's and
4	somewhat the Sewer District's. I have been meeting with DNR on
5	this project and others. One of the things we are working on is
6	phasing. I had a meeting with DNR, where we talked about
7	whether they approve this plan in phases. And I got an email
8	back from one of the review engineers that they were amendable
9	to approving this in phases.
10	Q. So it sounds like there is no rule or regulation
11	that provides that it needs to be reviewed and approved within a
12	specific period of time?
13	A. Not that I'm aware of.
14	Q. Okay. It's more of a consultation process with
15	DNR?
16	A. Yeah, I think that is an accurate
17	representation.
18	Q. Okay. So I wanted to ask you what is the
19	relationship between the facility plans that we've been looking
20	at and what DNR's regulations refer to as an area-wide
21	management plan? And there's reference to area-wide management
22	plans in 10 CSR 6.010. So I guess I'll make this I'll
23	simplify this a little bit, Mr. Ratermann.
24	Are you familiar with the term area-wide
25	management plan?

1	Α.	Yes.
2	Q.	What does that mean to you?
3	Α.	So you just cited some of the code of state
4	regulations. Cor	rect?
5	Q.	Yes. I did. I was coding the I was citing
6	the state regulat	ion. That's right.
7	Α.	And is that the code of state regulation that
8		COURT REPORTER: Hello? I have lost you.
9		JUDGE JACOBS: Okay. Court reporter?
10		COURT REPORTER: Yes. I was trying to get
11	someone's attenti	on, but if I can't make noise the screen
12	doesn't come up f	or me.
13		I got where he you asked or he asked you,
14	is that the code	of state regulations; is that right? And you
15	said, yes, that i	s. And then nothing after that.
16		JUDGE JACOBS: Okay. So where that left off.
17	And I clarified t	hat I'm looking at 10 CSR 20-6.010. And I had
18	asked Mr. Raterma	nn if he recognizes the term area-wide
19	management plan a	and if that means anything to him. And he may
20	now answer that q	guestion. Thank you.
21		THE WITNESS: So my recollection when the Sewer
22	District and the	City of Columbia made application to the Clean
23	Water Commission	for Level 2 continuing authority, that we both
24	had capital impro	vement plans. Those are more of a sketch plan
25	than a facility p	olan. A facility plan gets into three or four

1	alternatives and lots of narrative, and such things.
2	The capital improvement plan is usually a
3	summation of projects and a cost estimate for each project based
4	on judgment as to what is the most likely project. My
5	recollection is that those capital improvement plans were part
6	of the application to the Clean Water Commission when we applied
7	for Level 2 authority. And we had to show that we had a plan
8	for all of Boone County, and it's that the Sewer District
9	collaborates with the Boone County Commission and the Boone
LO	County Resource Management Department in the implementation of
11	the zoning ordinance and the subdivision regulations. And we
L2	did the other
L3	BY JUDGE JACOBS:
L4	Q. I'm sorry, you cut out after, and we.
L5	A. At the other municipalities of Boone County were
L6	not included because in part, because there are so many of
L7	them.
L8	Q. I think we are going off course of what my
L9	question was. So is there a document that you are aware of that
20	has been provided to the Commission in this case that
21	constitutes an area-wide management plan that has been prepared
22	by the District?
23	A. You're talking about the Clean Water Commission
24	now. Right?
25	Q. I'm talking about that Commission that you are

before right now. Is there a document that has been provided that constitutes an area-wide management plan that has been provided in this case?

A. No, I do not believe so.

- Q. Okay. I'm going to ask you about another feature of your testimony on Pages 11 and 12. You talk about how Hallsville's sewer system is upstream from the District's facilities, and that its operation and management impacts the District's plans for wastewater treatment and the rates charged to District ratepayers. I wanted to ask you to explain your testimony in further detail.
- A. Okay. So if you look at the City of
 Hallsville's operating permit, there are several permitted
 features and some of those permitted features are in the Varnon
 Branch watershed. The Cedar Gate facility is also in the Varnon
 Branch Watershed. And Varnon Branch is tributary to the Hinkson
 Creek. And the Hinkson Creek is listed on what's known as the
 303D list. It is on the 303D list because it's an impaired
 water.

The 303D is the list of impaired waters in the state of Missouri. And if the Sewer District has to make improvements to facilities in the Hinkson Creek watershed, that affects our customers and our customers' rates. And if the Hallsville's facility is contributing to the impairment in the Varnon Branch and the Hinkson Creek, that affects Sewer District

customers and Sewer District rates.

Q. Okay. Thank you. I also wanted to ask you about the opinion you provide in your testimony on Page 14, in which you say that adding treatment to the Hallsville system is not adequate. That is a paraphrase. Because, quote, it will not resolve the capacity issue or ongoing violations.

So my question for you is: Why would adding treatment not address ongoing violations in the Hallsville's system?

- A. When I read the City of Hallsville's RFP, and I read their permit, and the design flow of their permit, and the actual flow listed on their permit, and the number of subdivisions, and the number of lots that they've approved in the City of Hallsville, the load from what they have approved exceeds their design flow. So just making an improvement without an expansion does not solve their problem.
- Q. And this raises another question I have for you. When an operator goes to DNR for a permit, is the need for expansion something that DNR considers in granting a permit?
- A. Well, it's good engineering practice when you are proposing to a make capital expenditure and you consider the design life of the facility. And you know what the existing load is to the facility and you can project a 20-year load on the facility. Whether you project -- you project the -- you're forced to project the population 20 years into the future and

build a facility and expend capital funds that meet the 20-year design life of the facility.

- Q. So if that is good engineering practice is that the kind of thing that the Department of Natural Resources expects to see in permit applications?
- A. Well, I don't really know what the DNR expects, but I would say yes.
 - Q. Okay. I wanted to ask you about a cost estimate that is included in your rebuttal testimony on Pages 15 through 16. And I believe here you are summarizing a \$3.5 million cost for a force main and an associated pump stations, and this is to go -- I'm sorry, excuse me -- from Cedar Gate wastewater treatment facility to Rocky Fork. And I just had a question about one element of that estimate so that it wouldn't potentially be stated incorrectly.
 - The \$694,500, I wasn't clear from the way that was written, whether that is an ongoing cost or a construction cost. It indicates it is associated with pumping the flow from Hallsville's storage lagoon to Cedar Gate.
 - A. I'm sorry, I'm new to this Public Service Commission. Can you help me and tell me where this is --
- Q. Yes. And I'm sorry if I went to quickly for you. This is your testimony. I believe it runs from Pages 15 to 16. It is your rebuttal testimony.
 - A. I lost it on EFIS. Could you give me --

That's okay. Yes. It's February 23rd, sir. 1 O. 2 Α. Of --February 23, 2021. 3 0. 4 Thank you. Α. And Pages 15 to 16 is what by notes indicate. 5 0. 6 So it starts at the bottom of 15. 7 Α. Can you repeat your question, please? Yes, I can. My question concerns the statement 8 Q. 9 about the \$694,500 part of the estimate. That is in Line 1 on 10 Page 16. And the testimony states that amount is associated 11 with pumping the flow from Hallsville storage lagoon to Cedar 12 Gate. So I couldn't tell from that if that is construction cost or what kind of cost that is. 13 14 Α. That is a capital expenditure construction 15 engineering planned acquisition. Thank you. I think because of the 16 Ο. 17 terminology, pumping the flow, I did not know if it was an 18 ongoing cost. It seemed pretty high, but I'm just clarifying 19 that. Thank you. 20 Okay. You've also indicated on Page 15 of your 21 testimony -- and let's see if I could find this -- yes. 22 have stated you have some concern about the company, 23 Missouri-American, adopting the rates charged in the Hallsville 24 system initially. I just wondered if you could elaborate on 25 what your concern is there with the adoption of the current

rates that Hallsville is charging?

- A. Well, that there would be losses to Missouri-American. I don't understand how it could be in the best interest of the public to not have a plan and not know what it's going to cost, and not know what it's going to cost to the ratepayers.
- Q. We have learned today in testimony that there is a proposal to increase Hallsville's rates, and if I understand the Company correctly at this time, the Company is asking to apply whatever Hallsville's current rates are if a certificate is granted. Do you have any response in that regard? It would apparently mean an increase for some of Hallsville's customers and would overall, according to Mayor Carter, bring in more money for the system?
- A. Well, I think what I heard in previous testimony today was they are proposing a flat rate as opposed to a volumetric rate. And to me, volumetric rates are much more equitable to a customer, especially the low income customer that may use 1,000 gallons or 2,000 gallons or 3,000 gallons a month. The Sewer District uses volumetrics rates.
- Q. So I think earlier we heard testimony from you about a -- a rate -- your base rate, apparently, in the District currently?
 - A. Yeah.
 - Q. I believe it was -- can you remind me what that

1	was?
2	A. Yes. Our base rate right now is \$26.65.
3	Q. What was the \$65.91 that I heard? Or maybe I
4	wrote that down wrong.
5	A. No, you heard that right.
6	Q. What is that?
7	A. That is normalized to a 5,000 gallon-a-month
8	user. Our rates our base service fee is \$26.65. Our water
9	usage charge is \$7.85 per thousand.
10	Q. Is that information included in any attachments
11	to your testimony, do you happen to know?
12	A. I don't. I'm sorry.
13	Q. Okay. I know that the initial testimony that
14	was drawn out of with Mr. Cooper, was in reference to something
15	attached. So perhaps Mr. Cooper knows where that is.
16	A. It was in a
17	MR. COOPER: Judge
18	THE WITNESS: It was in a user rate study.
19	JUDGE JACOBS: Okay. And Mr. Cooper, please go
20	ahead.
21	MR. COOPER: Yeah. We can pull it. It's in a
22	schedule to Mr. Ratermann's testimony.
23	JUDGE JACOBS: I'm sorry. I just hadn't noticed
24	noted that before and I missed making the notations when you
25	went through it the first time.

MR. COOPER: It's in TR-1 Part 4.

JUDGE JACOBS: Okay. Thank you.

BY JUDGE JACOBS:

Q. So, Mr. Ratermann, I am getting very close to my last few questions.

JUDGE JACOBS: Is everyone able to proceed through these questions now or do we need a quick break? All right. Nobody is begging so we will keep going. I think that applies to our court reporter as well. Okay.

BY JUDGE JACOBS:

- Q. I have a question for you about the proposed conditions that the District has asked for in the alternative if the Commission were to approve a certificate. So is there a reason why the District would request that Missouri-American be required to actually acquire land to be used for the application of wastewater?
- A. Yes. From my study of the system, when Hallsville issued its request for proposal, it became apparent to me that part of their problem is their farmer partner doesn't irrigate during wet years and they are not be able -- so when you have a spray irrigation system like that, it's not supposed to irrigate about six months out of the year. So they have to have enough storage to hold it for six months. And that means they have to draw down their storage lagoon in the fall and hold the water until spring and summer, when they can start

- irrigating again. And if they can't irrigate enough in the late spring, summer, and early fall, and they can't hold it through fall and winter and early spring and they start discharging.

 And that's -- it's a no-discharge facility. You're not supposed to discharge, and that's one of their compliance problems. If they owned the land and controlled the irrigation, it would be better situated to get rid of the water before winter.
 - Q. Can you tell us why the District has requested that if the Commission were to grant a certificate, the Commission prohibit the Company from converting the Hallsville system to a discharge system?

- A. It goes exactly to the Sewer District's planning authority. The Sewer District is the wastewater planning authority for all of Boone County. And, you know, Mr. Williams referred to anti-degradation earlier. And in one of the concepts in anti-degradation is that streams have an assimilative capacity to assimilate waste. And if Hallsville is discharging, they are using the assimilative capacity of the streams of Boone County. That's under the purview of the Sewer District to manage and make sure that it is there for all of the residents and ratepayers of Boone County.
- Q. Does the District have agreements at this time with any other private sewer operators in the county that require District approval for DNR applications?
 - A. Well, that's not really the way it works. We

```
1
    have been asked by DNR to work with private owner/operators of
    wastewater systems to get them to connect to us. I have an
 2
    email the last two months from the permit writer in the Macon,
 3
    Missouri office inquiring about three different private
 4
 5
    wastewater facilities in Boone County that are regulated by the
 6
    Missouri Department of Natural Resources. And it's a
 7
    collaborative effort between DNR and the Sewer District to get
 8
     these -- to eliminate these private discharges of wastewater.
 9
                      Okay. Mr. Ratermann, I thank you very much for
              0.
10
    your patience with my many questions this afternoon.
11
                      Those are all the questions from the bench
12
    unless we have anything coming in from commissioners. So I
13
    believe we can go ahead to recross, if there's any recross from
14
    Staff.
15
                      MR. PRINGLE: Nothing from staff, Judge.
16
    Thanks.
17
                      JUDGE JACOBS: Does Missouri-American have any
18
    recross?
19
                      MR. COOPER: No, I don't believe so, Judge.
20
                      JUDGE JACOBS: Thank you very much.
21
                      Any redirect by the District, Ms. Griffin?
22
                      MS. GRIFFIN: Yes, Judge, thank you.
23
    REDIRECT EXAMINATION BY MS. GRIFFIN:
24
                      As I started, Mr. Ratermann, you were just
              Ο.
25
    explaining a response to a question about the collaborative
```

effort between DNR and the District to eliminate private plants. 1 2 Is the authority for that effort, for lack of a better way to express it, predicated on multiple sets of regulations? And by 3 that I mean state regulations, the District's regulations, and 4 this grant of Level 2 continuing authority? 5 6 Α. Yes. 7 And under the District's regulations, are 0. 8 private plants allowed within the boundaries of the District? 9 Α. No, they are prohibited. 10 Okay. And are municipally-owned facilities 0. 11 subject to the District's regulations? 12 No, they are not. Α. 13 And so, if I understand your testimony 0. 14 correctly, right now the Hallsville system, because it is owned 15 and operated by a municipality, would not be subject to the District's regulations? 16 17 Α. That is correct. 18 0. What is the impact of this sale of that system 19 to Missouri-American under the District's regulations? 20 Well, the impact is it would be converted from a 21 public system to a private facility, subject to the District's 22 regulations. 23 Q. And is that regulation and regulatory authority 24 outside of the Level 2 continuing authority?

Yes, it is.

25

Α.

1	Q. And when you were asked about the District's
2	planning authority, does that authority include authority under
3	the District's regulations as well as the state regulation?
4	A. I'm sorry, could you repeat that?
5	Q. Yes. You were asked some questions about the
6	District's planning authority and my question is: Is it the
7	District's position that that authority is derived from both the
8	District's own regulations as well as DNR regulations?
9	A. Yes.
10	Q. And you were asked one of the first questions
11	you were asked was about authority, and I don't remember exactly
12	how Mr. Pringle posed the question, but it had to do whether
13	there was authority for Hallsville to sell its system to
14	Missouri-American or for Missouri-American to purchase that
15	system from Hallsville. The response you gave to that question
16	was Hallsville must offer the system to the District. And I
17	would like for the Commission to understand the basis for the
18	District's position that that is the case. Can you explain
19	that?
20	A. Yes. It goes to the classes of sewer systems.
21	Private sewer systems in Boone County are prohibited. And when
22	municipal governments transfer something to when they
23	privatize before they can privatize, they have to offer it to
24	the Sewer District. And if the Sewer District is willing and
25	able to own, operate, and maintain it, then the Sewer District

1	well, own, operate, and maintain it.	
2	So if a municipality ceases to own and operate	
3	their own system, before they could privatize they have to offer	
4	it to the Sewer District.	
5	Q. And has this happened before? Does the does	
6	the District currently own or operate any wastewater treatment	
7	systems that were previously municipal systems?	
8	A. The City of Rocheport conveyed its wastewater	
9	treatment collection system to the Boone County Regional Sewer	
10	District.	
11	Q. And does the District own and operate any other	
12	systems that are owned by a municipalities?	
13	A. We operate the village of Hartsburg, the village	
14	of Hartsburg's wastewater treatment collection system.	
15	Q. And is is this the first time that this	
16	situation of the prospective purchase of the Hallsville system	
17	by Missouri-American, a sewer company that is regulated by this	
18	Commission that we are in front of here today, is this the first	
19	time that type of a situation has arisen in Boone County?	
20	A. To my knowledge, yes.	
21	Q. And if a situation like this had come up before,	
22	would the District have taken the same position and same action	
23	for that situation that it is taking now in this situation?	
24	A. Yes.	
25	Q. And the Judge asked you whether we had an	

area-wide management plan that was included in the record of 1 2 this case here, and you responded in the negative. My question is: Is the facility plan that's provided in this case, we have 3 the most recent version dated December 10th, that is labeled 4 5 TR-1, and then we have now Commission Exhibit 307, which is an 6 earlier iteration of the same facility plan. Is that facility 7 plan part of the District's overall area-wide management plan 8 for Boone County?

A. Yes, I would say so.

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

2.5

- Q. And I believe you already testified that you are involved in the process of the District obtaining approval as a Level 2 continuing authority. Correct?
 - A. Yes, that's correct.
 - Q. And -- how heavily were you involved in that?
- A. I was at the Clean Water Commission meetings and I would say that I was pretty heavily involved in it. I know I attended some of the Clean Water Commission meetings. I may have testified at some of them. I was involved in putting together our capital improvement plan that was the basis for our Level 2 continuing authority.

And, you know, it is my belief that for Level 2 continuing authority that the Clean Water Commission granted to the Sewer District, included municipal facilities, in a situation where a city chooses to cease owning and operating its system. In this type of situation, the city must offer the

1 District the option to own and operate its system. The District 2 must decide if it's willing and able to do so. Let me ask you this. You've already testified 3 0. 4 that there a requirement in the regulations of the District that would require -- or prohibit a private -- private system in a 5 situation where the District was willing and able to provide 6 7 services. Is -- were those regulations which sound consistent 8 with the testimony about the Level 2 continuing authority. Were 9 those regulations on the District's books promulgated by the 10 District, before the continuing authority approval was sought 11 from the Clean Water Commission? 12 Yes. Those classes of sanitary sewers were --13 those regulations were developed and were last revived in '05 14 and '07. Yeah, they were last revised in 2005 and 2007. 15 And which -- just so we know and our record is Ο. 16 clear, what -- first of all, are you referencing a particular 17 page of TR-1? 18 Α. I am. It begins on Page 189. 19 And what page does it end on? 0. 20 Α. References to classes of sewer systems ends on 21 Page 191. The regulations for an entire chapter actually.

created by voters under the statutes. What is the -- what is the voter-approved territory of the District?

Okay. And you testified that the District was

A. It is all of Boone County.

22

23

24

2.5

Q.

```
MS. GRIFFIN: I don't have anything further at
 1
 2
     this time.
 3
                      JUDGE JACOBS: Thank you very much.
                      Okay. I don't believe I have additional
 4
 5
     questions for Mr. Ratermann. Thank you very much for appearing
 6
     today. You will remain present for the hearing in case we need
 7
     to recall you. I would appreciate that. We are going to take a
 8
     break until 4:45, and then we will come back and hear from
 9
    Mr. Connelly. So we're in recess now until 4:45. Thank you.
10
                      (OFF THE RECORD.)
11
                      JUDGE JACOBS: Okay. It's 4:45. We are back on
12
     the record in SA-2021-0017. And I believe I had excused
     Mr. Ratermann and thanked him for his testimony. It is unlikely
13
     we would need to recall him, but there's always that
14
15
    possibility.
16
                      We have two remaining witnesses for the
17
    District. So unless anyone has anything to discuss before we
18
     get going, I believe we could take Mr. Connelly's testimony.
19
                      If Mr. Connelly just wants to say hello, he will
20
    pop over to my main screen. There we go.
21
                      MR. CONNELLY: Hello.
22
                      JUDGE JACOBS: Hello. Are you able to hear us?
23
                      MR. CONNELLY: Yes.
24
                      JUDGE JACOBS: We can hear and see you. So if
    you'll raise your right hand for me, sir?
25
```

1	(Witness sworn.)
2	JUDGE JACOBS: Thank you very much, sir.
3	THE WITNESS: Thank you.
4	JUDGE JACOBS: Ms. Griffin, you may proceed with
5	your witness. Thank you.
6	MS. GRIFFIN: Thank you.
7	STEPHEN CONNELLY, being first duly sworn, testifies as follows:
8	DIRECT EXAMINATION BY MS. GRIFFIN:
9	Q. Good afternoon, Connelly. Could you please
10	state and spell your name for the court reporter?
11	A. Sure. Stephen excuse me, Stephen Connelly,
12	S-T-E-P-H-E-N, C-O-N-N-E-L-L-Y.
13	JUDGE JACOBS: I think the court reporter has
14	raised her finger for some reason. I'm not sure if she didn't
15	catch something. Perhaps Mr. Connelly can start over.
16	COURT REPORTER: I got that, but his voice is
17	very low. Is there any audio that he could speak up or get
18	closer to the mic?
19	JUDGE JACOBS: It looks like you're using your
20	computer mic. So you may simply just have to speak up and
21	project your voice in that room a little bit and irritate the
22	people in your house. Okay? Thank you.
23	THE WITNESS: Okay. Can you hear me?
24	MS. GRIFFIN: Yes.
25	THE WITNESS: Okay.

```
BY MS. GRIFFIN:
 1
 2
              Ο.
                      Mr. Connelly, could you tell us by whom you are
     employed and in what capacity, please?
 3
                      Yes. I'm president of Stephen M. Connelly, CPA,
              Α.
     PC. It's a public accounting firm in Kansas City.
 5
 6
              0.
                      And are you the same individual who caused to be
 7
     prepared the rebuttal testimony of Stephen Connelly that we have
 8
     premarked as Exhibit 201?
 9
                      Yes, I am.
              Α.
10
                      And do you have any additions or corrections to
              0.
11
     your rebuttal testimony?
12
              Α.
                      No.
13
                      If I were to ask you the questions contained in
              0.
14
     Exhibit 201, would your answers be the same today as they are in
15
     Exhibit 201?
16
              Α.
                      Yes.
17
              0.
                      And are those answers in Exhibit 201 true and
18
     correct, to the best of your knowledge and belief?
19
              Α.
                      Yes.
20
              Ο.
                      Thank you, Mr. Connelly.
                      MS. GRIFFIN: At this time the District moves to
21
22
     admit Exhibit 201 into the record.
                       (WHEREIN; Exhibit 201 was offered into
23
24
     evidence.)
2.5
                      JUDGE JACOBS: Thank you.
```

```
Is there any objection to the District's Exhibit
 1
 2
     201, which is Mr. Connelly's rebuttal testimony?
 3
                      Hearing no objection, that exhibit will be
    admitted.
 4
 5
                      (WHEREIN; Exhibit 201 was received into
 6
     evidence.)
 7
                      JUDGE JACOBS: We can now proceed to any
 8
     cross-examination, and we can start with Staff.
 9
                      MR. PRINGLE: Thank you, Judge. Staff has no
10
     questions at this time.
11
                      JUDGE JACOBS: Thank you.
12
                      Do we have any questions from Missouri-American?
13
                      MR. COOPER: No questions, Your Honor.
14
                      JUDGE JACOBS: Okay. Thank you.
15
                      It doesn't appear that I have any questions from
16
     the bench at this time for Mr. Connelly. Just taking a beat
17
    here to make sure that nobody speaks up on the Commission's side
18
     to let me know that there are questions.
19
                      Mr. Connelly, it appears that after waiting all
20
     day, your job is now complete and your testimony has been
21
    received. Thank you very much for being here today. You are
22
     excused. Very unlikely you would be recalled, but you never
23
     know. So as I asked other witnesses, please remain with us.
24
                      We can proceed now -- yes. I heard a Judge, so
25
     I thought someone was trying to get my attention.
```

1	THE WITNESS: I just said thank you.
2	JUDGE JACOBS: Thank you, sir. I'm sorry for
3	speaking over you. Thank you very much.
4	I believe the next witness would be Mr. Stith.
5	MR. STITH: I'm here.
6	JUDGE JACOBS: Okay, Mr. Stith, I can see you.
7	If you could raise your right hand.
8	(Witness sworn.)
9	JUDGE JACOBS: Thank you very much, sir.
10	And Ms. Griffin, you may proceed with your
11	witness.
12	MS. GRIFFIN: Thank you.
13	DENNIS STITH, having been first duly sworn, testifies as
14	follows:
15	DIRECT EXAMINATION BY MS. GRIFFIN:
16	Q. Good afternoon, Mr. Stith. Could you please
17	state and spell your name for the court reporter?
18	A. My name is Dennis Stith. The first name is
19	D-E-N-N-I-S, last name is S-T-I-T-H.
20	Q. And could you tell us by whom you are employed
21	and in what capacity?
22	A. I'm employed by McClure Engineering Company, and
23	I am a project manager.
24	Q. Are you the same individual who caused to be
25	prepared the rebuttal testimony of Dennis Stith that we have

1	premarked as Exhibit 202?		
2	A. I am.		
3	Q. And if I were to ask you the questions contained		
4	in Exhibit 202, would your answers in that document be the same		
5	today as they are in the document?		
6	A. They are.		
7	Q. And are those answers in Exhibit 202 true and		
8	correct, to the best of your knowledge and belief?		
9	A. They are.		
10	Q. Thank you, Mr. Stith.		
11	MS. GRIFFIN: At this time, Boone County Sewer		
12	District moves to enter and admit Exhibit 202 into the record.		
13	(WHEREIN; Exhibit 202 was offered into		
14	evidence.)		
15	JUDGE JACOBS: Thank you. Are there any		
16	objections to admission of Exhibit 202, which is Mr. Stith's		
17	rebuttal testimony?		
18	Hearing no objections, Exhibit 202 will be		
19	admitted. Thank you very much.		
20	(WHEREIN; Exhibit 202 was received into		
21	evidence.)		
22	JUDGE JACOBS: We can proceed now from any		
23	cross-examination from Staff.		
24	MR. COOPER: No cross from Staff, Judge. Thank		
25	you.		

1	JUDGE JACOBS: And any cross-examination from		
2	Missouri-American.		
3	MR. COOPER: No, Judge.		
4	JUDGE JACOBS: Thank you very much.		
5	There will be one question from the bench at		
6	this point for Mr. Stith.		
7	QUESTIONS BY JUDGE JACOBS:		
8	Q. Sir, it appears that in your testimony, one of		
9	your criticisms of Missouri-American's application is that it		
10	doesn't include a specific proposal to upgrade or expand the		
11	system. Would you agree with that characterization?		
12	A. Yes.		
13	Q. So are you familiar with the permitting		
14	processes before the Department of Natural Resources?		
15	A. Yes.		
16	Q. Is the need for expansion of the system		
17	something that would be expected to be considered by DNR in		
18	reviewing a construction or operation permit application?		
19	A. My experience is that it has been expected to		
20	look at the expansion that may be needed.		
21	Q. Okay. Thank you. And what about upgrades, is		
22	that something that is going to be considered by DNR?		
23	A. Yes, upgrades will be considered.		
24	Q. Okay. Thank you very much.		
25	JUDGE JACOBS: I'm going to pause here for a		

1	minute and see if there are any questions from commissioners.	
2	Based on that single question that I asked, did	
3	Staff have any questions they would like to ask of Mr. Stith?	
4	MR. PRINGLE: No, Judge. Thank you.	
5	JUDGE JACOBS: And the Company?	
6	Missouri-American?	
7	MR. COOPER: Yeah, I'm sorry. Judge, I'm a	
8	little slow getting to the unmute button there. One question.	
9	CROSS-EXAMINATION BY MR. COOPER:	
10	Q. Mr. Stith, would you agree that Hallsville has	
11	no current plan to address its issues, no estimated costs of	
12	addressing them, no financing, and no idea of what impact any of	
13	would have on its customer rates?	
14	A. I have not seen any information along those	
15	lines that would indicate what Hallsville would have in mind	
16	going forward, if it was their system.	
17	MR. COOPER: Okay. Thank you.	
18	JUDGE JACOBS: Okay. Thank you.	
19	Do we have any redirect by the District for	
20	Mr. Stith?	
21	MS. GRIFFIN: No, Judge.	
22	JUDGE JACOBS: Okay. Thank you very much.	
23	Mr. Stith, thank you for appearing here today. It seems that	
24	you are our final witness. And, so, you are truly and genuinely	
25	excused, along with all of our other witnesses. Thank you so	

much for being with us today and providing testimony. 1 2 Okay. It appears that we have arrived at the final matters portion of our hearing. There is one issue I 3 wanted to bring up, and this concerns the Missouri-American's 4 5 exhibit list, and just something that is going to help when the 6 adjudication staff gets around to filing those marked exhibits. 7 I believe that the Company's exhibit list, 8 because there was a problem with the page numbering when Mr. Horan's surrebuttal was filed, the Company was directed to 9 file that again. And then your exhibit list actually refers to 10 the schedules that were attached when that was initially filed. 11 12 My understanding, however, is that those schedules should be 13 perfectly identical in every way. 14 So is there any reason that they wouldn't be 15 just for the simplicity of instructing the adjudication staff 16 and how those documents are gathered and then refiled as a 17 marked exhibit. 18 Do you understand what I'm asking, Mr. Cooper? 19 MR. COOPER: Not necessarily. When I did this 20 list it looked to be like under Item 41, we'd just had the 21 corrected pieces of Mr. Horan's testimony. Subsequently, when I 22 looked at Item 41, it looked like the schedules for his 23 testimony had been included in 41. And if that is the case, I 24 think we can just refer to 41. 25 JUDGE JACOBS: Okay. Maybe there was something

```
that happened behind the curtain with that filing. Who knows?
 1
 2
     But as long as you haven't filed any new schedules that would
 3
    have changed anything. I just want to be able to treat those as
 4
     the same and to just simplify that. And so it doesn't sound
 5
     like you have any reason to believe those schedules are any
 6
     different.
 7
                      MR. COOPER: No, they should not be. They are
 8
    not.
 9
                      JUDGE JACOBS: And does any other party have any
10
     concerns about that or questions what we're talking about?
11
                      MS. HERNANDEZ: And, Judge, this is Jennifer
12
     Hernandez. I filed that, according to the Commission's Order
13
     and all I did was put page numbers on the testimony. I didn't
14
     change anything else.
15
                      JUDGE JACOBS: Okay. So perhaps what happened
16
     is someone in the data center and looked at that and thought,
17
     Oh, that's not very helpful. We better put those schedules on
18
     there. I can't say that's what happened and we always
19
     appreciate their help. So but perhaps that is what happened.
20
     So thank you.
21
                      I will know how to handle that going forward.
22
    As far as Commission exhibits go, I just want to make sure that
23
     I've clarified that Exhibit Commission 306 is going to be that
24
     April 7 Order the Commission just issued in WR-2020-0344.
25
    are going to be some kind of gaps in our exhibit numbers, but
```

```
1
     that is okay. It is not a big deal.
 2
                      And then the only other comment I would have
     would have to do with briefing. So, but before we get to that,
 3
 4
    we are going to be seeing from the Company an Exhibit 8 by the
 5
     12th, that is going to give us that vote tally. And transcripts
 6
     should be available in this case by April 22nd. And we have
 7
    post-hearing briefs ordered for initial briefs on May 4th.
 8
    Reply briefs are May 11th.
 9
                      Are those dates still acceptable for the
10
    parties? Okay. So --
11
                      Mr. Pringle, I saw you move. Are you needing to
12
     say something?
                      MR. PRINGLE: Just double checking because I
13
14
     knew I had a few extra hearings scheduled, but I think that
15
     still works. I'm just going to check my calendar real fast.
16
                      JUDGE JACOBS: I'm happy to let you check your
17
     calendar.
18
                      MR. PRINGLE: Yep, we're all good.
19
                      JUDGE JACOBS: Okay. So no concerns about
20
     shifting those dates?
21
                      One mention that I wanted to make when it comes
22
     to briefing is that in regard to the District, Ms. Griffin, we
23
     did hear some testimony today about the District's planning
24
     authority and about District regulations. And I have not seen
2.5
     that articulated in the case to this point, perhaps in a way
```

1	that I have really been able to understand that. I think that
2	is something that would be helpful if the briefs addressed.
3	So that's just a request as far as something
4	that may be isn't as clear coming into hearing as it could have
5	been that I'm going to need some help with.
6	MS. GRIFFIN: Sure. I'm happy to address it.
7	That was part of the reason I wanted to ask him some additional
8	questions to lay that out better. But it came in the way it
9	came in and I will do the best I can to clarify in the briefing.
10	JUDGE JACOBS: Okay. I do think to great to
11	the very great extent it seems to be legal questions, and so
12	hopefully they can be handled effectively in a brief.
13	Okay. So those are the only things that I had
14	to talk about before we wrapped up. Did anyone have anything
15	else?
16	Okay. Well, it's 4:59. So thank you all so
17	much for being here. I really appreciate it. It was a
18	beautiful day for a hearing. So I hope you all have a good
19	evening.
20	We are off the record.
21	(OFF THE RECORD.)
22	
23	
24	
25	

CERTIFICATE OF REPORTER

I, Lisa M. Banks, CCR within and for the State of Missouri, do hereby certify that the witness whose testimony appears in the foregoing hearing was duly sworn; that the testimony of said witnesses was taken by me to the best of my ability and thereafter reduced to typewriting under my direction; that I am neither counsel for, related to, nor employed by any of the parties to the action in which this hearing was taken, and further, that I am not a relative or employee of any attorney or counsel employed by the parties thereto, nor financially or otherwise interested in the outcome of the action.

Lank S

Lisa M. Banks, CCR No. 1081

1	INDEX	
2	FOR THE MISSOURI-AMERICAN WATER COMPANY:	
3	WITNESS: MATT HORAN	PAGE:
4	Direct Examination by Mr. Cooper Cross-Examination by Mr. Pringle	69 72
5	Cross-Examination by Ms. Griffin Questions by Judge Jacobs	74 79
6	Recross Examination by Mr. Pringle90 Recross Examination by Ms. Griffin91	, ,
7	Redirect Examination by Mr. Cooper92 Further Questions by Judge Jacobs	94
8	Further Recross Examination by Mr. Pringle Further Redirect Examination by Mr. Cooper	95 95
9	Further Questions by Judge Jacobs Further Recross Examination by Mr. Pringle	98
10	Further Redirect Examination by Mr. Cooper	
11	LOGAN CARTER Direct Examination by Mr. Cooper	102
12	Cross-Examination by Mr. Pringle Questions by Judge Jacobs	104 108
13	Redirect Examination by Mr. Cooper132	
14	FOR STAFF OF THE MISSOURI PUBLIC SERVICE COMMISSION	:
15	WITNESS: JAMES BUSCH	
16	Direct Examination by Mr. Pringle Cross-Examination by Mr. Cooper	137 138
17	Cross-Examination by Ms. Griffin Questions by Judge Jacobs	141 142
18	Redirect Examination by Mr. Pringle	153
19	JARROD ROBERTSON Direct Examination by Mr. Pringle	155
20	Cross-Examination by Ms. Griffin Questions by Judge Jacobs	157 161
21	Redirect Examination by Mr. Pringle	162
22	MATTHEW YOUNG Direct Examination by Mr. Pringle	166
23	Cross-Examination by Ms. Griffin Questions by Judge Jacobs	168 169
24	DARRON WILLIAMS	
25	Direct Examination by Mr. Pringle Cross-Examination by Ms. Griffin	173 177

1	INDEX CONTINUED	PAGE:
2	WITNESS: DARRON WILLIAMS	rage.
3	Questions by Judge Jacobs Redirect Examination by Mr. Pringle	191 193
4	FOR THE BOONE COUNTY REGIONAL SEWER DISTRICT:	
5	WITNESS:	
6	TOM RATERMANN Direct Examination by Ms. Griffin	200
7	Cross-Examination by Mr. Pringle Cross-Examination by Mr. Cooper	211 213
8	Questions by Judge Jacobs Redirect Examination by Ms. Griffin	223 253
9	STEPHEN CONNELLY	253
10	Direct Examination by Ms. Griffin	260
11	DENNIS STITH Direct Examination by Ms. Griffin	263
12	Questions by Judge Jacobs	265 265 266
13	Cross-Examination by Mr. Cooper	200
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

1		EXHIBITS
2	COMMISSI	Offered Received
3	Exhibit	300 82 82 MAWC current rates
4	Exhibit	
5	Exhibit	
6	Exhibit	
7	Exhibit	
8	Exhibit	
9	EOD THE	COMPANY:
10	Exhibit	
11	Exhibit	Direct Testimony of Matt Horan, Public
12	Exhibit	Direct Testimony of Matt Horan, Confidential
13	Exhibit	Direct Testimony of Logan Carter
14	Exhibit	Surrebuttal Testimony of Matt Horan
15	Exhibit	Surrebuttal Testimony of Matt Horan
16	Exhibit	Errata sheet to testimony of Matt Horan
17		Hallsville election results 135
18	FOR THE	STAFF OF THE PUBLIC SERVICE COMMISSION:
19	Exhibit	100 138 138 Corrected Direct Testimony of James Busch
20	Exhibit	
21	Exhibit	
22	Exhibit	
23	Exhibit	
24		Sallebactar resermony of barron williams, rubite
25		

1		E X H I B I T S (Continued)
2	FOR THE	BOONE COUNTY REGIONAL SEWER DISTRICT:
3	Exhibit	200 210 210 Rebuttal Testimony of Tom Ratermann
4	Exhibit	
5	Exhibit	
6		Reductal restimony of Dennis Stith
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		

\$
\$19.35 81:7 91:2 110:12
\$2 45:14
\$20 91:5
\$26.65 250:2,8
\$3,300,000 45:15
\$3.5 247:10
\$300 127:10
\$34 145:17
\$38 90:23 106:15
\$38.75 80:24 81:19 90:24 170:2 171:21
\$39 145:18
\$4,200 129:6
\$40 99:1 101:10
\$5 81:8 91:4 106:25 110:14,15
\$5,000 96:17
\$5,100 127:6 225:4
\$600 129:8
\$65.91 213:25 250:3
\$694,500 247:16 248:9
\$7.85 250:9
0
05 258:13
07 258:14
1
1 48:9 60:6 70:9 72:1 106:11 170:25 181:3 219:7 235:2 248:9

1,000 106:25 110:12,

13,15,20 249:19

5A-2021-0
10 58:1,18,23 71:20 85:24 127:1 129:5 215:5,14 225:1,7 228:6 233:18,21 234:7,8 237:22 240:16,18,20 242:22 243:17
10-year 181:4,20
100 83:16,17 88:20 137:16,20,23 138:6,7 14,17,19 142:10 156 163:14 166:14 173:2
101 156:9,15,23,24 157:2,4,6
102 166:17,23 167:6, 8,11,13,15
103C 174:3,10,18,19 22 175:3
103P 174:3,10,18,19 21 175:3
1081 271:17
10:00 101:19,21
10th 240:6 257:4
11 125:25 126:16 181:25 245:6
11:15 136:8,11
11:30 43:9
11:45 154:1
11th 269:8
12 234:1,9 245:6
12,500 106:20

12th 107:7 134:12,15,

17 154:20 269:5

13 139:17,18 224:2

14 55:12 97:10 124:22

136 52:10 118:25

126:18 246:3

14th 45:20 97:4

15 122:24 126:18

163:15,16 181:17

115:17

248:5,6,20 **15,000** 47:3 73:3 **16** 130:23 247:10,24 248:5,10 **16--** 213:17 **161** 213:11 **164.75** 106:20 **16th** 112:18 **17** 127:10 228:2,7 232:5 **18** 57:4,7 116:23 **189** 258:18 **19** 71:20 91:1 101:7 **19.35** 91:6 94:17 95:14 101:8 106:24 **19.75** 96:14 101:7 **191** 258:21 **1971** 236:16 **1999** 218:8 **1:00** 154:3,4,8 **1C** 72:8,10,16 **1P** 72:8,10,16 **1st** 119:21 2 **2** 45:10 48:9 49:6,11 58:5 61:18 62:13 71:14 75:23 103:10, 16,21,23,25 104:1,2 158:10,12,19,24 159:8,12,19,25 162:25 163:5,23 164:3,7

2,000 109:6 249:19

198:4 236:25 247:9,23 248:5,6,20	20 54:1,3 55:10,18 60:16 128:1 130:25
15,000 47:3 73:3	246:25
16 130:23 247:10,24	20-6.010 243:17
248:5,10	20-6.010(2) 58:1
16 213:17	20-6.010(2)(B)(3) 58:23
161 213:11	
164.75 106:20	20-6.010(2)(C) 58:18
16th 112:18	20-plus 203:22
17 127:10 228:2,7	20-year 246:23 247:1
232:5	200 201:1 210:8,9,16,
18 57:4,7 116:23	17,20,22,23
189 258:18	2000 140:9 218:8
19 71:20 91:1 101:7	2004 218:1,4
19.35 91:6 94:17	2005 258:14
95:14 101:8 106:24	2007 258:14
19.75 96:14 101:7	2008 139:16
191 258:21	2009 221:16
1971 236:16	201 261:8,14,15,17,
1999 218:8	22,23 262:2,5
1:00 154:3,4,8	2013 112:18 181:21
1C 72:8,10,16	2017 213:22
1P 72:8,10,16	2018 108:14 213:21,
1st 119:21	
	2019 45:3,6,18 50:24 60:6,9 113:22 114:15
2	116:24 117:3,4,16
9 45:40 40:0 40 0 44	118:4,12,20,24 124:22 128:16 134:9
2 45:10 48:9 49:6,11 58:5 61:18 62:13	2019-4 124:11
71:14 75:23 103:10,	
16,21,23,25 104:1,2	202 264:1,4,7,12,13, 16,18,20
158:10,12,19,24 159:8,12,19,25 162:25	
163:5,23 164:3,7	2020 45:20 55:10,12, 15 57:9 60:11 97:11
170:25 171:4 181:3,16	112:9,13 120:3 215:5,
184:14 212:16 214:3	14 223:15,20 237:22
218:10 219:5 220:21 227:2,3 228:15 243:23	238:4,6 240:3,6,11,16,
244:7 254:5.24	18,21 241:9,18
257:12,20,21 258:8	2021 39:3 57:10

213:24 248:3

2021-2 106:17 304 79:2,6,15 123:20 55:18 7,200 211 2022 181:5 127:25 4240-3.305 54:1 70s 76:3	
2022 181:5 4240-3.305 54:1 70s 76:3	1:9
2023 181:17 305 99:16,17 100:3,4 115:18 116:12 43.75 106:19 73 73:6	
203 207:5 306 268:23 470,000 47:2 7th 199:6	
2039 74:10 307 241:3 6 11 12 4:45 259:8,9,11 —	
204 61:16 159:16 257:5 4:59 270:16	8
204.290 61:13 31 223:15,20 4th 269:7 8 71:14,17	7 128:16
203-6 120.1 313t 76.14,23 123.21,	6:3 154:19 40:11 241:9
20th 119:22 269:4	1 0.11 2 1 1.5
21 235:16,20 238:25 353-2009 219:2 5 48:10,20 60:9 71:10 80s 236:2	4 237:5
213 213:12	
22 60:11 222:10,12,13,21 8th 39:3 2	240:3
2230 41:8	
2240-2.060 60:16	9
22nd 43:25 120:4,15 94:25 95:8.15 96:11 250:7 90 43:7	
269:6 13 98:24 106:18 5,000-gallon 100:19 99 191:20	
23 55:15 248:3	
23rd 234:5 248:1	
23rd 234:5 248:1	A
23rd 234:5 248:1	A
23rd 234:5 248:1	A 101:19,21
23rd 234:5 248:1	A 101:19,21
23rd 234:5 248:1 171:12,17,21 5C 86:23 192:22 24 57:9 384 106:18 5th 45:6,17 119:22 25 163:14 393.170 53:17 60:15 170:13 26th 45:3 122:14 393.170.3 66:3 6 2:30 198:6,7,11 3C 72:8,10,16 6 2I 58:7,25 65:6 73:9 3P 72:8,10,16 6 220:18 222:10,12,13,	101:19,21 5:19 47:4,8
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 2l 58:7,25 65:6 73:9 3rd 118:11 25 23rd 234:5 248:1 271:12,17,21 384 106:18 393.170 53:17 60:15 393.170.3 66:3 30 72:8,10,16 30 72:8,10,16 31 32:10 38:0 38:0 38:0 38:0 38:0 38:0 38:0 38:	A 101:19,21 5:19 47:4,8 01:15 232:17
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 2l 58:7,25 65:6 73:9 3 3rd 118:11 25 86:23 192:22 384 106:18 393.170 53:17 60:15 393.170.3 66:3 30 72:8,10,16 31 72:8,10,16 31 72:8,10,16 32 72:8,10,16 33 72:8,10,16 34 118:11 26 86:23 192:22 36 45:6,17 119:22 370:13 384 106:18 393.170 53:17 60:15 393.170.3 66:3 40 56:7,17 20 271:7 40 56 220:18 222:10,12,13, 21 60.010 242:22 40 408:65 40 408:6	101:19,21 6:19 47:4,8 01:15 232:17 3:24 y 54:9
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 21 58:7,25 65:6 73:9 3	101:19,21 6:19 47:4,8 01:15 232:17 3:24 y 54:9
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 21 58:7,25 65:6 73:9 3	A 101:19,21 6:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 2l 58:7,25 65:6 73:9 3 48:10,11 70:9 72:1 163:1,16 131:14 171:12,17,21 384 106:18 393.170 53:17 60:15 393.170.3 66:3 3C 72:8,10,16 3P 72:8,10,16 3rd 118:11 4 6 220:18 222:10,12,13, 21 6 absent 63 absent 63 absent 63 absolutely 600 86:5 64 52:10 118:25	A 101:19,21 3:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6 le 48:22
23rd 234:5 248:1 171:12,17,21 5C 86:23 192:22 24 57:9 384 106:18 5th 45:6,17 119:22 25 163:14 393.170 53:17 60:15 170:13 26th 45:3 122:14 393.170.3 66:3 6 2:30 198:6,7,11 3C 72:8,10,16 6 2I 58:7,25 65:6 73:9 3P 72:8,10,16 6 220:18 222:10,12,13, 21 3rd 118:11 21 absent 63 4 48:10,11 70:9 72:1 163:13 171:3,7 227:2 4 60 139:19 absolutely 4,6 117:9 151:5 163:19 171:7 213:6,8 251:1 64 52:10 118:25 acceptable 269:9 3.305 55:18 60:16 163:19 171:7 213:6,8 251:1 65102 41:8 accepting	A 101:19,21 6:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6 le 48:22 g 67:13
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 21 58:7,25 65:6 73:9 3	A 101:19,21 6:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6 le 48:22 g 67:13
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 21 58:7,25 65:6 73:9 3	A 101:19,21 3:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6 le 48:22 g 67:13 7:25 97:7 2:10 123:18
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 21 58:7,25 65:6 73:9 3	A 101:19,21 3:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6 le 48:22 g 67:13 7:25 97:7 2:10 123:18 3:14
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 2l 58:7,25 65:6 73:9 3 48:10,11 70:9 72:1 163:13 171:3,7 227:2 3,000 249:19 3.305 55:18 60:16 30 104:21,23 160:15 221:16 237:6 300 82:1,2,4,6,9,11 170:12,18 301 78:22 79:6,15 171:12,17,21 384 106:18 393.170 53:17 60:15 393.170.3 66:3 30 6 220:18 222:10,12,13, 21 6 6 220:18 22:10,12,13, 21 6 6 220:18 22:10,12,13, 21 6 6 220:18 22:10,12,13, 21 6 6 220:18 22:10,12,13, 21 6 6 220:18 22:10,12,13, 21 6 6 220:18 22:10,12,13, 21 6 6 220:18 22:10,12,13, 21 6 6 220:18	A 101:19,21 3:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6 le 48:22 g 67:13 7:25 97:7 2:10 123:18 3:14
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 3	A 101:19,21 3:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6 le 48:22 g 67:13 7:25 97:7 2:10 123:18 3:14 g 115:25
23rd 234:5 248:1 24 57:9 25 163:14 26th 45:3 122:14 2:30 198:6,7,11 21 58:7,25 65:6 73:9 3	A 101:19,21 3:19 47:4,8 01:15 232:17 3:24 y 54:9 87:6 le 48:22 g 67:13 7:25 97:7 2:10 123:18 3:14 g 115:25 codate 43:1

accountants 84:22

accounting 84:23 261:5

accurate 92:24 112:10 113:8 117:25 176:15 215:10 216:13 218:17 220:12 237:17 242:16

accurately 85:19

achieve 58:11 85:20

acknowledge 39:21

acquire 39:8 55:8,23 57:1 60:3,19 61:7 146:12 147:7 178:14, 20 179:19 180:4 232:18 238:9 251:15

acquired 139:21 146:7,18 184:1 237:6

acquiring 147:11 180:16 186:6

acquisition 75:6 84:20 118:8 139:12 146:5 147:17 248:15

Acres 215:2 216:17 217:4,7 234:25 239:10,14 240:19

act 54:4

action 185:3 256:22 271:9,13

actions 47:23 49:9,10

actual 52:1 94:21 118:22 135:2 148:19 158:14 168:18 213:15, 21,22 225:10,12,25 246:12

add 43:21 51:22 68:24 205:3,11 239:16

added 207:6

adding 79:8 246:4,7

addition 54:2 62:12 128:19 174:6

additional 44:14 48:7 53:2 54:10 78:10 81:8

82:14 90:15,16 91:4,5 94:13,18 101:12 110:13,15 118:15 162:2 164:14 172:10 183:13 184:7 195:2,16 201:24 202:4,21 203:3,10 204:25 205:16 206:10,15 209:21 230:9 259:4 270:7

additions 68:19 137:18 156:11 166:19 201:3,5,23 261:10

address 40:8,11 44:15 48:12 64:5 78:9 133:19,23 180:9 201:15 202:14,17 204:18 205:5 206:25 207:22 215:10 217:2,4 246:8 266:11 270:6

addressed 46:24 158:9 177:17 204:15 207:21 217:12 270:2

addresses 143:10

addressing 266:12

adequate 47:1,9,12 149:11 154:16 194:25 246:5

adjudication 267:6,

admission 72:13 167:12 264:16

admit 78:22 79:13 261:22 264:12

admitted 72:15 82:5, 9 99:15 100:2 104:1 115:18 117:13 134:25 138:16,18 157:4 167:14 170:11 175:2 210:22 222:20 223:13 241:3,10 262:4 264:19

admitting 103:25

adopt 82:16 122:1 145:24 146:17 147:7

adopting 147:10 248:23

adoption 248:25

advisement 112:21

advising 132:17

aerators 113:3

affairs 197:6

affect 168:4

affected 125:22

affects 245:23,25

afternoon 155:5,19, 20 166:2,3 173:12,13 193:18 195:19 199:21 200:17 211:5,6 253:10 260:9 263:16

age 236:6

agenda 162:24 163:4, 22 199:6

agree 67:5 76:9,13, 20,23 80:13,14 140:16 141:9,15,18,22 142:2, 8 159:18 177:3 180:2 198:13 203:17 217:22 219:11,23 221:15 222:1 265:11 266:10

agreed 57:7 198:24 230:14

agreement 45:21 55:12 57:10 78:25 79:4 122:9 123:2 124:18,22 125:2,10,23 126:3,21,22 127:16 128:10,11,12,17,24 129:2,10 130:1,19 131:1,2 148:8,17 150:24 182:4,15,17,18 196:2,6,24 198:20 224:3,6,9,11 225:8,11, 15 226:15,19,22 227:1 228:2,9,17 229:24 230:6,10,13 239:11

agreements 74:25 77:3,9,11 78:11,13 123:11 130:12,13,18 131:6 147:25 152:9 223:11 224:13,22,24 231:25 232:2,3,4 233:10 252:22

agrees 48:2

ahead 40:4 50:22 51:23 68:24 69:21 70:19 78:8 99:10 102:24 144:20 170:20 195:20 198:16 215:20 250:20 253:13

aid 57:21

alderman 45:4 106:5 107:12 108:15,21 113:22 114:24 115:9, 13

aldermen 47:23 60:11 108:19,23 109:12

alert 41:23

allowed 112:20 120:20 187:22 206:10 207:13,15 254:8

alter 183:22

alternative 65:23 135:5 197:5 251:12

Alternatively 63:14

alternatives 244:1 amendable 242:8

amended 217:15

amendment 215:5, 14,15 235:2 238:23

amendments 43:16

America 64:12

American's 136:3

amicable 182:24

ammonia 88:18 186:11 188:24 215:12 217:7,9 228:19 239:8, 20

amount 80:10,21,24 81:1,5 94:18 127:5 129:6 168:18 169:21, 24 170:2 248:10 amounts 81:11

analysis 90:9 91:16 158:23 177:13 183:2

analyst 156:2

and/or 46:2 223:6

annex 131:9,13,15,18

annexation 131:17,

annual 113:7

answers 72:2,4 103:16,18 137:23 138:1 156:15,18 166:23 167:1 174:10, 13 209:25 210:8,11 261:14,17 264:4,7

anti-degradation

185:14 188:2,10,14,18 190:6,9 235:21 252:15,16

anticipate 77:16 198:3

anticipates 44:3

anticipating 44:11

anytime 78:7

apologize 44:22 86:11 98:3 119:11 124:4 149:25 152:17 155:12 196:17 201:12 204:5 211:23 212:3 223:4

apparent 81:13 239:12 251:18

apparently 78:17 94:18 109:16,17 144:8 146:19 148:7 249:12, 22

appearance 39:24,25

appearances 40:23

appearing 40:9,10 41:6,14 42:1 87:3 135:23 164:22 195:22 259:5 266:23 appears 69:6 81:10 85:23 91:12 97:1,4,6 98:6 101:11 116:23 119:18 130:1 135:16 151:3 170:24 171:4 196:4 199:18 211:23 212:24 217:24 224:8 233:24 234:1,7 262:19 265:8 267:2 271:5

Appendices 223:23

Appendix 78:15,22 79:1 97:12 123:22 124:6,10 223:16,23 224:1 240:5,12 241:8

applicant 46:17,18 56:16,17 59:3 203:5

applicant's 46:20 55:24 56:2,5,7,18

application 39:6 47:17 49:5 51:12,19, 24 52:2,17,20,21 53:18,24 54:2,3,5,21, 24 55:10,17,22 57:6, 12,16,18 58:7 60:2,18 63:24 64:14 65:10 76:18 81:2,12,14,16 84:1,2,9,14,18 85:7 94:16 96:3 106:9 121:21 139:8 143:7,18 144:3,7,13 145:5,9 146:14,23 159:2 168:3,4,8 177:10,23, 24 178:12,15,20 179:10,13,17 180:5 181:7 191:17 194:22 195:1 207:14 211:14 218:10,15,19 219:5, 14,16 220:7 243:22 244:6 251:15 265:9,18

applications 46:13 53:16 64:7,9 145:23 247:5 252:24

applied 54:21 55:7 244:6

applies 251:9

apply 42:15 58:24 65:7,14 143:25 249:10

applying 54:23,25 55:17 59:15 76:11

approach 87:22 92:16 230:22

approaching 109:6

approval 61:17 62:13 64:10 75:23 76:5 164:9 183:11 186:1 187:20 188:8 190:6, 14,15 196:2 215:22,25 216:7,9 219:16 252:24 257:11 258:10

approvals 183:13,16, 21,24 185:5 189:16,17 190:11

approve 53:11,18 56:9 147:17 150:3 190:19 241:21 242:7 251:13

approved 60:8 62:17 114:9 119:18 120:18 139:8 158:24 159:14, 15 164:7 188:23 196:20 215:15,21 219:17,20 241:19 242:11 246:13,14

approving 163:5 196:6 198:19 242:9

approximate 225:15

approximately 93:21 139:19

approximation 144:19

April 39:3 107:7 108:14 112:18 128:16 134:12,15,17 170:13 199:6 268:24 269:6

area 45:24 48:4 49:23 61:25 63:21 68:11 89:7 141:16 143:11 149:9 158:6,15 159:3, 14 170:6 221:20 228:21

area-wide 61:23 62:18 63:18 242:20, 21,24 243:18 244:21

245:2 257:1,7

areas 61:24 63:22 75:3 140:19 159:9,19 160:1 164:8 171:1,2 209:22 221:23 222:6 233:25

argue 204:20

argues 48:25 49:6

arisen 256:19

Arnold 81:21 121:11 170:25 171:6,12,16

arose 78:17

arrangement 90:7

arrived 267:2

article 135:5

articulated 46:12 269:25

asks 145:24

aspects 114:19

Assembly 60:15

assert 58:10

assess 86:20 179:2

assessed 85:22

assessment 157:21

assets 45:8 47:6 48:3 114:17

assigned 39:11

assigns 58:15

assimilate 252:17

assimilative 252:17,

assist 128:25

assistance 123:18 125:13

associate 173:20

associate's 161:20

associations 236:22 237:1

assume 93:14 103:12 114:25 133:7,22 220:9 231:25

assuming 165:11 183:13 184:11 185:25

assumption 145:10 192:12

assumptions 172:3

attach 193:5

attached 68:13 76:7 78:14,16,23 79:3 80:6 97:11 99:20 113:25 114:1 117:12,14 122:8 123:16 126:3 130:2 142:22 143:9 170:13, 17 192:4,9 226:22 234:18 237:20 239:24 240:17 241:23 250:15 267:11

attaches 241:17

attachment 52:19 97:4 115:17 161:12 234:21 241:2

attachments 223:24 250:10

attend 220:14

attendance 105:7,10 221:5,6

attended 105:3 257:17

attention 95:12 243:11 262:25

attorney 74:15 112:21 114:10 117:17 132:16,20,21 133:8,11 182:25 271:11

audio 42:6 161:4 165:4 193:17 196:17 212:1 260:17

auditor 166:10

August 45:3 78:14,23 113:22 117:4 123:21, 23,24 223:15,20 240:6,15,18

authority 49:2,3,6,11, 13,16 57:24,25 58:2,6, 8,10,12,15,17,19,21, 25 59:1,8,12,25 61:18, 20 62:13,14 63:7 65:6 67:21 73:9,12 75:23 78:17 114:21 115:9 157:24 158:3,11,12, 19,24 159:5,8,13,19, 25 162:15,19 163:1,6, 23 164:3,7 202:11,15 205:12,13,17,25 206:3,6,16,20,21 207:3,4,9,18,24 208:2, 17 212:16 218:10,13 219:5.14.18.21 220:7 222:3,7 231:4 243:23 244:7 252:13,14 254:2,5,23,24 255:2,6, 7,11,13 257:12,20,22 258:8,10 269:24

authorization 128:9

authorize 48:2 114:8

authorized 62:2 81:22 115:13 117:5 118:3 142:3

Authorizing 39:7

automatically 131:2 211:15

average 96:18 111:16,20 145:19

avoid 178:9

award 54:18 59:10 162:25

awarding 58:9

aware 74:9 84:5,8 105:9,17,21,23 108:3 113:9 118:15 119:2,4 140:9 151:5,6 158:16 188:22 189:9,12 242:13 244:19

В

B-U-S-C-H 137:9

bachelor's 161:19, 21,22

back 69:4 76:2 93:23 101:19,21,25 102:1 127:3 129:4,11 136:6, 14 147:5 154:9 163:8 165:16 192:2 196:12 197:3 198:6,9,10 204:6 206:9 208:1 213:23 214:25 215:19 221:15 235:5 239:17 242:8 259:8.11

background 108:10 161:15,16

ballot 114:21 115:5,6

bandwidth 102:6,10,

Banks 271:3,17

bar 213:20

base 86:6 90:22,25 91:2 93:6 101:12 106:24 110:13 122:19 168:24 178:18 249:22 250:2,8

based 49:9 77:7 82:2 87:1 92:16,19 94:18 111:14 145:15 147:3 151:11 178:3 179:4 196:8 202:4 203:22 244:3 266:2

bases 86:9

basic 108:9 151:3

basically 83:6 86:22 180:17 187:8,24 188:12,15 202:9

basins 63:24 113:11

basis 96:16 140:7,17 208:9 255:17 257:19

BCRSD 222:2,5

beat 262:16

beautiful 270:18

begging 251:8

begin 44:25 55:16

85:4,9 106:12 110:5 234:1

beginning 122:24 130:25 234:9

begins 258:18

behalf 41:1,7,14 76:9 145:1

belief 72:5 103:19 138:2 156:19 167:2 174:14 210:12 257:21 261:18 264:8

believes 49:8 67:25

bench 90:17 131:25 193:13 204:19 205:4 209:5,19,25 223:2 253:11 262:16 265:5

benefit 208:19

bid 105:24 106:4 176:19

bidders 119:19

bidding 176:14,17

bids 60:5,6,12 105:24 117:11,16,18 118:2,3

big 88:18 109:3 184:10 185:1 269:1

bill 106:17 107:6 124:10 128:1

biology 161:17,22

bit 88:22 89:7,8 95:9 104:6 108:18 112:16 113:18 157:9 209:6 217:2 232:10 242:23 260:21

blanket 54:3

blow 94:23

board 45:4 47:23 60:11 84:22 109:12 117:23 119:23 120:4 121:16 232:7

body 79:11 168:5,8,

Bon 236:11

books 258:9

Boone 41:11,14 48:6 58:11 61:9,12,14,15, 20,21,24 62:18 75:4, 11 83:14,18,22 106:1 111:3,6 118:23 119:6, 25 120:6 124:18 125:6 128:11,25 132:23 133:1 134:8 135:7,8 141:14 158:2 159:9, 14,20 160:1,7 164:2,8 183:3.4.9.14 185:5 186:1 189:16 190:12 200:22 211:20 212:9 218:14,17 219:4,12, 13,17,19 220:3,6,10, 22 221:16 230:18,20, 22,24,25 233:19,25 234:24 235:24,25 236:17,18 238:25 244:8,9,15 252:14,19, 21 253:5 255:21 256:9,19 257:8 258:25 264:11

Boonville 141:11

booster 216:18

border 131:14

bottom 219:7 248:6

bought 231:4 237:3

bouncing 192:2

boundaries 61:9,14 158:2,10,12,14,18,22, 23 159:3,8,10,12,13 164:3 202:11 207:5 254:8

boundary 158:6 163:25

Box 41:8

Branch 245:15,16,25

breach 80:17

breaching 86:20 88:1,2

break 43:8,10 94:12 101:19,20 154:2 198:5 251:7 259:8

Breaking 87:15

breakout 86:17

breaks 43:7

briefing 152:19 208:1 269:3,22 270:9

briefly 39:17 42:3 95:22 112:16 132:12 162:12

briefs 269:7,8 270:2

bring 81:25 110:3 196:11 197:2 199:16, 17 208:14 249:13 267:4

bringing 49:19

broken 223:23

brought 95:12

Brown 216:18,23 217:5,9 234:25 239:9, 14 240:19

Brydon 40:7

budget 110:4

build 89:13 225:17 228:24 232:19 247:1

building 237:9

built 232:22 236:10, 15

burden 54:24 55:1,4, 6 203:6 204:25

Busch 57:14 136:17, 18,20 137:2,4,8,10,14, 19 138:4,11,25 141:9 142:21 151:9 153:2,8, 21 160:11

business 233:15 239:6

button 134:4 266:8

buy 119:19,20

buyer 117:19

buying 230:17

С

C-O-N-N-E-L-L-Y 260:12

calculations 168:15

calendar 269:15,17

call 96:1 129:2 156:8 165:10 166:16 187:17 215:11 221:21 224:22

called 46:14 47:22 236:24 239:19

calling 45:5 114:14

calls 221:22

capabilities 55:24 56:2,5,6

capable 149:10

capacities 57:20

capacity 47:13 48:13 56:1,3,5,11 64:6 69:25 103:2 137:11 156:1 159:23 166:9 173:19 200:21 246:6 252:17, 18 261:3 263:21

capital 45:14,16 234:16 237:7 243:24 244:2,5 246:21 247:1 248:14 257:19

Capitol 50:5

care 225:9,22 240:1

carried 55:4 196:23

carry 55:6

Carter 98:8 102:3,7,8, 12,21 103:1 104:12 107:8 108:10 134:7,21 135:13,22 195:16,20, 21 249:13

Carter's 52:22,24 101:22 102:6

case 39:5,11,25 43:6, 13,25 45:22,23 46:22 47:20 48:1 49:1,9 50:8 51:9 52:14,15 55:1

58:10 61:4 67:7 72:14 78:19 97:11 99:15 115:17,25 116:1 119:3,4 123:16 134:12 135:6,24,25 139:8 140:4,10,13,21 145:6 146:16 147:6 157:10 169:18,22 170:15 181:22 194:20 195:12 196:4,7,8,22,24 197:15 198:20,25 199:5,9,11,12 201:10 208:18 212:9 223:15 233:5 244:20 245:3 255:18 257:2,3 259:6 267:23 269:6,25

cases 67:1 139:13 140:7,9 196:5 197:4,9

cash 45:14

cast 45:11,18

cat 155:12

catch 260:15

categorical 215:24

caused 70:4 103:5 200:24 261:6 263:24

causing 104:3

CCN 46:1 47:17 48:1, 3 49:18 53:17,18,20 54:2,21,24 55:7,20,22, 23 56:23,25 58:9,25 59:4,5,10 62:25 63:5, 13,15 64:3,18 65:3,7, 11,13 66:23 67:2 80:9 85:3 94:23 96:1 106:10 107:10,11 137:15 149:17 156:5 160:17,20,21 166:13 168:2 173:23 179:1 188:4 190:15 202:12 211:14

CCNS 53:17 73:13

CCR 271:3,17

cease 257:24

ceases 256:2

Cedar 214:9 215:1,7,9

217:3 239:6,12,13,14 240:19,23 245:15 247:12,19 248:11

cell 181:16 184:14,15

cells 181:3 184:11

census 109:5,6

center 105:20 268:16

central 70:3

centralize 235:18 237:16

certainty 233:16 239:5

certificate 39:6 45:23 47:19 49:22 53:12 61:6 62:22 63:3 66:3, 4,15,16 67:9 77:15 84:18 94:19 143:18 145:24 146:24 148:9 149:20,22 152:1,6 196:20 249:10 251:13 252:9 271:1

certificated 143:11

Certificates 46:13 53:16 83:13

certification 54:18

certified 118:23 134:7 218:25

certify 271:4

Chairman 39:12 50:4,6 65:1,4,9,15

challenged 205:14

challenging 229:19

chance 52:25 100:11 145:1 154:12 182:22 206:2 208:6 220:25

change 59:6 71:13, 14,16,17,19,20 90:22 92:16,18 98:9 109:18 146:5,6 152:15 165:7 197:15 207:14 229:18 268:14

changed 155:13 168:23 268:3

changing 71:11 197:9

chapter 61:16 159:16 258:21

characterization 265:11

characterize 100:1

charge 81:2,20 101:12 112:1 121:11, 14 127:10 129:7 171:8 213:25 225:4,7 250:9

charged 80:1,10,22 82:17 100:17 106:23 109:15 110:14 169:23 245:9 248:23

charges 86:7,9

charging 81:7 82:22 94:17 96:19 121:7 146:3 249:1

chat 43:3,6

cheaper 100:17 106:22

check 51:25 52:4 83:24 90:13 136:6 165:4 269:15.16

checking 85:4 269:13

childcare 195:19

choice 212:12

choose 44:11 106:3 186:7

chooses 257:24

choosing 194:15

chose 60:12 184:16 212:22

circulated 138:12 154:13 174:24

circumstance 133:20

circumstances 92:16,18,22

cited 52:21 113:3,6

243:3

Cities 230:4

citing 243:5

citizens 61:12 104:18 145:21

city 39:9 41:8 45:5,7,
13,21 47:5,14,22 49:7,
8 55:9,11 56:11 57:2
60:4,6,20 62:2 63:22,
23 74:5 76:22 78:16,
25 79:4 81:21 86:3,4,5
90:22 94:17 96:19
98:9 100:17 103:3
104:14,20 105:1
106:3,6,8,23 107:10
108:19 110:2 111:11
112:21,23 114:14,16,
21 116:16 117:3,4,10,
15,17,20 118:3,11,24

119:19,20 120:24 121:7,15,17,18 122:3, 6 125:5,9,14,20 126:19,22 127:20 128:19,24 129:22

132:16,21 133:12,16, 19 141:11,13,18,22 144:14,20,23 145:13

> 159:4 164:4 170:25 171:5,10 177:24

148:18 153:10,15

130:6 131:9,13

180:24 182:1,4,6,15 211:15 212:22 219:13, 19,21 222:2,5 223:11

224:16,22 225:5 226:5,15 227:4 228:17,22,25 229:2

230:3,5,7,15 232:4,6, 25 233:12 237:11 238:8,18,21 239:10,

11,18 243:22 245:12 246:10,14 256:8 257:24,25 261:5

city's 45:8 55:13 98:9 101:9 104:19 107:9 109:9 114:17 123:11 144:4 182:2,8 222:4 231:25

clarification 240:1

clarified 79:24 152:20 243:17 268:23

clarify 68:5 100:11 101:3 118:9 120:8,12 145:4 147:5 151:22 180:12 191:25 194:17 206:19 239:22 270:9

clarifying 44:20 68:17 117:24 191:24 248:18

classes 231:8 255:20 258:12,20

classification 142:11,12

classified 141:20,24 142:9 191:11

Clean 46:6 49:9,10 61:18 67:20 75:22 76:6 158:24 163:5,22 215:16,21 216:1,7,10 219:15,17,20 222:2 241:19 243:22 244:6, 23 257:15,17,22 258:11

clear 59:14,21 95:24 138:10 151:23 176:22 191:6 192:14 247:16 258:16 270:4

Clerk 118:23 119:7 135:7.9

clerk's 119:5 134:8

click 40:16

close 184:11 214:15 251:4

closer 260:18

closing 71:12 80:1 82:17

Coach 54:11

code 243:3,7,14

coding 243:5

Coleman 39:14 65:18

Coli 215:13 217:8,10 239:8,20

collaborates 244:9

collaborative 230:22 253:7,25

collect 77:20

collected 64:14

collection 163:25 227:5 256:9,14

collectively 235:7

collectors 231:9

College 161:18,23

color-coded 192:24

Columbia 161:18,23 219:13,19,22 237:11 239:10,11 243:22

combination 96:2

combined 197:21

comfortable 149:12 197:20

comment 154:14 269:2

commentary 203:20

comments 154:21

commercial 106:19,

commission 39:4,12 40:9,12 41:20 45:25 46:12 47:15,25 48:2, 22 49:9,10,15,18,21 53:7,9,15,18,22,25 54:4,5,19,22 55:3,15, 21 56:24 57:5,11 58:6, 13,16,18,20 59:1,4,9, 13,17,19 60:16 61:18 62:22 63:11,14,16 64:17 65:13 67:18,21 76:6 77:14 79:2 81:24 82:9 84:18 94:16,24 96:1 99:14,16 100:2 106:9 107:9 121:21 123:20 130:13 137:13 141:1 142:3 144:5 145:3,4 146:23 149:19,21 150:2,10 151:24 152:1,3,5,22

156:3 158:25 159:24 161:8 162:15,18 163:5,22 166:11 169:8 172:6 173:21 180:7 190:15 195:15 196:5 197:1 198:18 202:13 203:23 204:3 208:13, 19,23 209:1,4,14 211:13 215:16,22 216:1,7,10 218:14,18 219:2,4,12,15,18,20 220:10,11 221:16,19 222:3 231:21 236:25 237:1,2 241:19 243:23 244:6,9,20,23,25 247:21 251:13 252:9. 10 255:17 256:18 257:5,15,17,22 258:11 268:22,23,24

Commission's 41:21 43:14 58:19 75:23 78:18,21 79:10 82:2 115:25 127:25 139:11 150:12 170:12 199:6 219:16 220:6 241:3,11 262:17 268:12

commissioned

228:25 235:10 238:22

commissioner

39:13,14,15 50:9,12, 16,17,19,20,23 51:2,5, 13 52:7,12 64:24 65:2, 16,18 107:25 108:3,6 162:3 223:3

commissioners

39:16,17 42:16 64:21, 22 65:20 78:6,7 90:13 107:21,23 108:4 123:19 132:1,4 142:17,18 161:9 169:4 191:5 223:2 253:12 266:1

Commissions's

115:18

commitment 45:14 committed 74:16

common 231:9

communicate 42:18 community 105:20

company 40:9,10,11 45:9 55:2 56:10,22 67:4,11,12 68:19 70:2 72:25 78:14,23 80:9, 13 82:16 83:12,21 84:8 85:9 94:19 95:7 96:13,21 105:15 123:21 138:22 145:24 146:17 147:6 148:3 152:8 176:6 206:17 223:16,21 232:1 233:6 236:23 237:4 248:22 249:9 252:10 256:17 263:22 266:5 267:9 269:4

company's 39:6 53:12 79:25 121:21 146:4 147:1,11,13 176:2 222:12 240:4 267:7

compared 89:23

complaints 66:22

complete 54:5 113:7 206:9 262:20

completed 195:11 227:9

completely 143:14

compliance 46:7,8, 24 48:13 55:19 64:6 67:24 85:21 139:4 168:10 215:12,13 217:6,8 229:15 232:20 239:7,20 252:5

compliant 47:1

complicated 230:18

complicates 203:9

complies 55:17

comply 86:2 152:9 232:13

complying 76:22

composed 79:2

computed 96:15

computer 260:20

computer's 190:18

concepts 252:16

concern 157:23 224:6 248:22,25

concerned 149:5 158:5 208:21

concerns 43:15,18 44:5 49:16 99:23 123:15 124:24 143:10, 12 144:6 147:23 154:15,17 157:23 181:15 194:12 195:19 248:8 267:4 268:10 269:19

conclude 43:21 56:22 149:19 177:13

concluded 56:9,23, 25 160:11

concludes 54:22 60:18

conclusion 64:16 160:3 168:15 178:19 179:4

condition 48:11,16, 20 66:6,9 67:12,17 113:12 147:23 148:6 149:20 152:6,14 153:8 160:11,16,20 162:1

conditions 45:17 47:25 48:5,7,9,10 49:24 57:5,7,11 63:16, 19 65:23 112:19 147:22 150:11 229:19 251:12

conduct 179:8,20

conducted 41:18 96:8 118:16 179:5 203:4

conducting 160:5

conducts 188:14

conference 41:18

confidence 87:24

confident 83:17 225:22,24

confidential 70:9 80:7,11 86:14,16 88:9, 11 99:23 169:25 170:1 174:23 175:15,19,21, 22 176:13,15 192:6

confidentiality 41:24 80:17 86:21 88:1,3 99:24

confirm 95:15 123:4, 8 125:25 126:14 176:11 196:12 197:3 223:17 224:5

confirmed 112:11

conflict 62:17 63:17

confused 94:2

confusion 88:15

conjunction 47:25

connect 125:7 224:23 228:24 230:11 232:22 237:15 239:10,13,14 253:2

connected 43:5 125:15 127:23 130:10 236:14

connecting 89:13 227:3,4,7 232:24 237:11,24

connection 42:5,6,8 102:6 104:5 129:7 136:19 211:24 214:13, 15,19 216:23 225:4,7 226:1,5,11 229:2 230:6,15 239:11

connections 86:5 223:5

Connelly 259:9,19, 21,23 260:7,9,11,15 261:2,4,7,20 262:16, 19

Connelly's 259:18 262:2

consensus 106:6

consent 62:10 64:5 112:18 230:5,15

consequences 231:23

considerably 203:10

considered 60:1 148:8 159:11 185:8 265:17,22,23

considers 246:19

consistent 180:19 221:19 239:25 258:7

consisting 61:23

consolidate 236:7

consolidating 237:9

constitute 72:13

constitutes 66:14 78:24 244:21 245:2

constriction 226:18

construct 39:8 55:8 57:1 60:19

constructed 227:12

constructing 186:2

construction 46:2 64:9 85:9 225:12 226:1 227:6 247:17 248:12,14 265:18

consult 119:1 223:18

consultation 242:14

consulting 229:1 238:22

consumed 91:3

consumers 146:3 149:8

consummate 142:3

consummation 142:5

consumption 94:19

contact 39:24 41:2

contained 72:1 103:15 137:22,24 156:14,16 166:23,24

174:10,11 175:17 210:8 261:13 264:3

contemplated 50:2 215:4

contemporaneously 225:8,22

contention 208:16

contents 78:22

context 158:11

contiguous 131:14 230:3

contingent 187:19

continue 74:13,17 77:3 94:6 104:16 140:4 144:21 149:1,9 160:23 211:18 212:6

continued 149:16 161:5

continues 113:17

continuing 49:2,6, 12,16 57:24,25 58:1,6, 8,12,15,17,19,21,25 59:1,8,11,25 61:18 62:13 65:6 73:9,11 75:23 77:9 83:8 99:23 157:23 158:3,10,12, 19,24 159:5,8,13,19, 25 162:15,19 163:1,6 164:7 181:9 202:14 205:12,25 206:16,19, 21 207:3,9,17,18,24 208:16 212:16 218:10 219:5,14,18,21 222:3 231:3 243:23 254:5,24 257:12,20,22 258:8,10

continuously 112:9

contract 45:13 63:25 133:13,14 148:19,21 181:2,3,4,16,18 182:20

contracts 74:4,10,11, 14,20 76:22 78:17

93:10 160:14 232:9

contrary 63:5 204:20

contributed 137:15 156:5 166:13 173:22

contributing 245:24

control 39:8 55:8 57:1 60:19 178:4,9 182:1

controlled 252:6

controversial 197:21

controversy 197:5

convenience 39:7 41:19 45:23 46:14 47:19 49:22 53:12,16 54:13 61:6 62:22 63:3 77:15 83:13

convenient 46:2 53:10,19,21,24 54:7, 20,25 56:11 57:3,18 59:11,13,18 60:21 149:18,22 150:7 160:17,21

conversation 233:3

conversion 68:2

convert 64:10

converted 193:4 254:20

converting 67:19 188:23 190:1 252:10

convey 236:23

conveyance 233:11

conveyed 236:2,3,4, 22,25 237:2 256:8

Cooper 40:6,7,13,17 45:1 50:1 51:1,20 67:5,14 69:18,20 70:12,22 71:1 72:7 79:12 80:14 87:7,9,14, 21 91:25 92:3,4 94:9 95:20,22,23 96:24 97:13,23,24 98:2 99:8, 11 101:2,4,6,15 102:19,20,23 103:21 104:6 116:3.6.9.14 122:10,18 123:18,25 132:10,12,14 134:1,13 138:23,24 141:3 152:25 154:13,22,23 157:15 162:6 167:21 172:8 175:10,25 176:4,5,7,11,18,21 177:1 193:12 195:20, 24 197:13,14 199:8 201:8 202:7,8,23,24, 25 203:18 204:22,23 207:17 213:4,5 221:13 222:9,23 250:14,15, 17,19,21 251:1 253:19 262:13 264:24 265:3 266:7,9,17 267:18,19 268:7

Cooper's 53:3 203:12

cooperation 77:4

cooperative 78:24 79:3 124:18,22 126:3 128:11,12 130:1 224:3

coordinate 68:1

copy 134:7 218:25 219:3

corporate 219:21

corporation 46:1

correct 65:12 66:12 67:14 68:15 72:4 73:8 76:19 80:2,3 82:18 83:20 84:11 89:4 90:24 92:11,20 93:3,6 94:8 96:5,6 100:20 101:13,14 103:18 108:24 109:2 110:4, 17,21 111:12,16,20,23 113:4,5,13,14 116:13 117:6,7,22 118:5,17 124:25 125:20 126:19 127:14 128:20 129:23, 25 130:9 131:23 133:5,6,9,18,21,24 134:23 138:1 139:8,9 143:8 145:11 151:21 156:18 159:17 161:24 163:17 165:13 167:1 169:20 174:13 178:10,

15 179:7,25 180:1 183:6 186:8,14 189:12,23 190:3 199:2 210:11 211:16,19 212:7,13,14,20,23 213:9,12 214:7,8,10, 11,13,14,24 217:13 218:1,24 222:7 226:3, 6,7 228:3 231:13 234:16 235:13 238:16 243:4 254:17 257:12, 13 261:18 264:8

corrected 72:1 137:19 138:11,13 174:3,7,22,24 175:18 177:4 267:21

correcting 153:17

correction 71:9 180:7 194:19 195:3

corrections 100:8 137:18 156:11 166:19 174:6 201:3 261:10

correctly 67:10 159:2 229:21 240:24 249:9 254:14

cost 54:11 89:23 91:17 93:9 168:11,12 244:3 247:8,10,17,18 248:12,13,18 249:5

costly 104:18

costs 127:6 266:11

counsel 40:2 41:5,7, 23 42:1 44:2,17 50:3,7 62:24 64:21 65:19 66:21 67:4,20 68:19, 22 69:15 74:24 80:13 82:25 86:19 95:12 116:4 133:1 198:13 199:7,10 271:8,11

count 50:23,25

counted 228:10

county 41:11,14 48:6 58:11 61:9,12,15,16, 20,21,24 62:18 75:4,7, 11 83:14,18,22 84:5 111:3,7 118:23 119:5,

6.25 120:6 124:18 125:6 127:22 128:11, 25 132:23 133:1 134:8,9 135:7,9 141:14,16 158:2 159:9,14,20 160:1,7 164:2,8 183:3,4,9,14 185:5 186:1 189:16 190:12 200:22 211:20 212:9 218:14,17 219:4,12,13,17,19 220:4,6,10,22 221:16, 24 222:5 230:19,20, 22,24,25 231:4 233:19,25 234:12,24 235:21,25 236:4,11, 17,18,25 237:1,2 238:25 244:8,9,10,15 252:14,19,21,23 253:5 255:21 256:9,19 257:8 258:25 264:11

couple 65:19 93:25 123:15 132:15 151:10 161:10

court 51:16 54:8 104:4 112:20 137:6 155:22 166:4 173:14 200:7,18 221:7 243:8, 9,10 251:9 260:10,13, 16 263:17

courts 54:6

cover 44:14 127:6

CPA 261:4

create 178:11

created 159:15 177:14 236:19 258:23

creating 235:22

credible 168:7

creek 74:7,22 75:5 79:5 93:18 128:10 129:13,16 130:5 131:10,11,12,14 147:25 151:25 160:14 223:12 224:11,12,19 226:8,15,19 227:4,11 228:8 229:24 230:10 231:24 232:5,22 233:7 245:17.22.25

criteria 46:12 53:20 56:13,15,23 57:20 63:12

criticisms 265:9

crops 187:6

cross 44:11 95:3 167:19 209:18,24 264:24

cross-examination

43:23 44:7 72:9,19,21 73:24 74:1 92:6 100:15 103:22 104:8, 11 107:17,19 138:22, 24 141:8 157:13,20 167:18,25 175:6 177:2 194:18 203:16 208:5 209:3 211:1,4 213:3,5 262:8 264:23 265:1 266:9

CSR 54:1,3 55:18 58:1,18,23 60:16 242:22 243:17

curiosity 51:14

curious 50:24

current 39:24 63:23 71:11,12 76:10 81:6, 20,25 82:3 90:25 91:2 94:16,17 98:25 100:17 106:23,24 110:9,11,12 113:16 122:4 144:4, 13,15,21 145:16 146:2,8,9 147:2,10 152:9 170:6,24 178:2, 21 179:13 180:18 183:22 187:3 194:24, 25 196:9 213:25 228:20 229:19 248:25 249:10 266:11

curtain 268:1

customer 85:21 86:9 93:6 96:16,18 111:25 144:17,18 145:16 146:10 149:13 168:24 170:2 221:22 249:18 266:13 **customers** 47:2.3.21 56:4 61:10 72:24 73:3 74:6 75:3 80:11,22 81:3 83:13,22 90:5 93:21 96:21 107:2 109:18 111:1 121:15 123:12 125:25 126:1 129:1,24 145:19 146:8,13 147:19,24 148:25 149:6,11,17,20 151:4 153:10,13,15 160:23 169:24 171:5, 7,15,16 211:7 224:15, 23 225:3,11 226:4,9 230:17 231:6,24 245:23 246:1 249:12

customers' 245:23

cut 42:7 196:15 235:11 244:14

cutting 221:9

CWC 164:6,8

D

D-A-R-O-N-N 173:17 **D-E-N-N-I-S** 263:19

Daronn 57:14 172:22 173:9,16,22 174:2

data 77:20 156:2 168:14 184:18 194:8 268:16

date 64:2 85:13 95:10 128:15 131:1 134:15 218:4 223:21 234:2 237:22 240:9 241:17

dated 55:12 116:23 124:22 128:14 240:6, 15 257:4

dates 117:15 118:1, 14 240:8 269:9,20

DAW-S2 192:9

day 42:25 49:15 223:19 262:20 270:18

day-to-day 182:21 194:10,11

days 104:21,23 160:15

deal 59:15 180:17 191:18 269:1

Dean 40:6

debate 202:21

decades 61:19

December 57:9 97:4, 10 115:17 215:5,14 237:22 238:4,6 240:20 241:17,23 257:4

decide 58:11 104:14 232:8 258:2

decided 59:8,16,19 114:24 115:1 212:8

decides 96:1 150:2, 10

deciding 59:17

decision 53:23 54:16 78:19 79:10 95:7 150:12 183:18 184:19, 25 208:20,24 209:23

decisions 48:18 109:12 141:2

decrease 109:22,24 147:14

deemed 187:25 189:8

defer 176:5

define 189:6 231:7

defined 233:25

definitive 225:21

degree 85:23 86:3 153:23 161:17,19,20, 21,22 198:4 202:3 206:16

delay 44:22

denied 107:11

Dennis 263:13,18,25

dense 235:23

deny 58:6 59:21 63:13

64:17 106:9 107:10

department 46:9 49:19 57:25 58:2,14, 16,22 59:9,16,19

62:14 73:18 88:17 137:13 139:11 162:22, 24 185:8,9 215:23

216:3 230:20,23,25 239:4 241:20 244:10 247:4 253:6 265:14

depend 85:11

dependency 76:16

depending 43:9 189:6 191:12,16

depends 90:3 146:1 184:9 185:1

depict 126:6

depicted 226:21

depiction 143:11

depreciation 196:8, 19,21 197:8,15 198:14

derived 255:7

DES-2 117:15

describe 87:5,16 88:1,13 138:25 161:15 170:23 226:24,25

describes 114:20

describing 87:17

description 88:10 221:18

design 85:13 246:11, 15,22 247:2

designed 187:1,4

desirable 54:13 229:19

desire 132:4 231:17

detail 143:22 205:24 245:11

detailed 193:25 194:2,5 231:19

details 188:18

determination 58:13 168:7,17,21,25

determinations 160:4

determine 54:4 59:10 111:21

determined 57:17 58:13

determines 55:3

determining 46:1

detrimental 168:16

develop 128:22 194:11 238:21

developed 151:17 230:10 234:17 241:19 258:13

developer 128:18 227:5 230:1,2,16

developer's 230:16 231:17

developers 231:1 235:22 236:21,23

developing 61:23 193:18 202:3 238:20

development

125:16,19 126:12 227:18 229:25 231:5, 12

developments

152:20 235:23 236:14

dictate 59:12

difference 66:1,5,8 81:12,13 87:11 186:22 240:16

differences 193:3

difficult 151:15 152:11 178:14,19 199:23

difficulty 223:5

direct 69:20 70:5 85:23 102:23 103:6 122:13 137:3,19 138:11 142:23 153:13, 18 155:18 166:1 173:11 186:10 189:23 190:19,20 200:16 203:7 205:6 207:21,25 208:2,3 260:8 263:15

directed 267:9

direction 124:2 271:8

directly 41:19 123:19 187:2,9

director 109:11 112:11

dirt-work 177:18

discharge 64:11 67:19,21 112:12 185:14,17 186:10,14, 17,23 187:8,13,19,20, 23 188:2,24 189:3,13, 23 190:2,19,20 191:12,15,21 252:5,11

discharged 112:9

discharges 46:5 61:20 253:8

discharging 252:3, 18

disclosed 82:4

disconnect 165:10 233:2

disconnecting 233:1

discretion 54:19

discuss 86:15 87:6 102:4 119:23 207:20 259:17

discussed 117:22 120:1 121:3 153:10 202:17 207:7 218:11 220:11

discusses 98:17 144:2 171:8

discussing 117:5 153:9 203:3 **discussion** 86:18 93:17 109:14 118:20 159:7 163:4 185:23

disengage 211:25

disinfection 228:19 235:22

disparity 144:6

displayed 43:4

disposal 235:18

dispute 202:3,10 209:20

distance 89:17

distinguish 42:13

district 41:12,15 48:6, 11,12,16,20,25 49:6, 11 57:10 58:5,8 59:6, 21,23 60:3,7 61:2,9, 11,15,19,24 62:1,6,9, 19 63:7,15,25 64:16, 22 65:20,24 66:6 67:16,25 68:3,5 73:24 74:5,6,17,20,21,24 75:1,3,13,22 77:25 78:12,25 79:4 89:13 91:13 92:7 93:20 94:1 95:2,18 96:19 97:4,11 100:24 105:10,15,21 106:1,4 107:11,17 111:2,4,5,6,10,25 117:12 119:25 120:10 123:12 124:18 126:1, 21 127:23 128:11,19 129:1,24 130:16 132:8,24 133:1,13,15 141:6 147:24 148:5,22 149:6,10 150:25 151:5,16,18 153:1,15, 18 157:16 158:3,14, 15,22 159:10,12,15 160:13 162:7 163:23 164:3.6 167:23 172:10 175:12 183:11,15 185:6 186:2 189:17 190:12 193:15 194:18 200:23 201:14 202:15 205:17 206:2,20 207:5,19 209:12

210:15 211:7,11,15,21

212:10.12.15.19.23 213:15,25 215:8,9 217:3,25 218:3,7,14 219:13,17 220:4,22 224:15,23 226:4 228:16 229:5,23 230:5,7,14,25 231:5,7 232:1,7,17,18 233:1,6, 15 234:25 235:10,16, 20 236:2,7,21 237:2,3, 4 238:8,11 239:19,24 240:4,11 243:22 244:8,22 245:10,21,25 246:1 249:20,22 251:12,14 252:8,13, 20,22,24 253:7,21 254:1,8 255:16,24,25 256:4,6,10,11,22 257:11,23 258:1,4,6, 10,22,24 259:17 261:21 264:12 266:19 269:22,24

District's 48:8,10 60:1 61:1.14 62:12.17 63:6,18,19 64:5 67:23 68:6,8 75:9,14,19 91:18 157:23 158:10, 12,19 159:8,13,18,25 160:7 162:25 163:5 183:9 198:2 199:15 202:11 205:13 208:16, 18 210:20 213:22 215:4 218:10 223:11 231:3,16,23 235:7 236:1 237:14 241:9 242:4 245:7,9 252:12 254:4,7,11,16,19,21 255:1,3,6,7,8,18 257:7 258:9 262:1 269:23

districts 140:11 236:5

division 70:3

divulge 175:14

DNR 48:14,19,24 49:1,2,5,10,17,18 58:17 59:2,12 63:8 64:2,7,9 65:6,10,25 83:6 85:21 86:2 112:15 113:16,17 148:4 150:21,23 159:21 160:15 186:17 187:15 188:4,8,10,13, 23 189:2,5,8 190:6,16, 19 215:7 216:9,10 228:19 232:20 233:9 236:13 240:20 241:24 242:4,6,15 246:18,19 247:6 252:24 253:1,7 254:1 255:8 265:17,22

DNR's 65:2 83:2 187:20 242:3,20

doable 134:15

doc 116:11

docs 176:24

document 68:7 79:14 80:7 97:3,6,15 98:6, 11,14 99:14,15,21,24 115:16,19,24 116:17, 21,22 117:3,10,11 119:8 121:22,24 122:8,10,25 123:7 124:10,13,16,21 128:6,8,9 130:22 134:11,21,25 135:2,18 136:1 154:12,15 169:25 170:11,14 217:17 218:24 219:8 221:1,25 223:23 224:3 244:19 245:1 264:4,5

documented 46:8

documents 52:14 59:23 78:19 79:9,19 100:8 117:15 123:15 134:7,8 170:9,20 208:12 223:13,18 267:16

dollar 168:18 176:25

dot 214:19

double 52:4 83:24 269:13

Downs 236:11

downsize 89:7

draft 74:20,25 238:3, 5,6 239:23 240:5

draw 251:24

drawn 171:24 250:14

drip 179:25 180:15 183:1,16,22,25 185:23 194:20,23

dubbed 86:25

due 119:21 146:10

duly 69:19 102:21 137:2 155:16 165:24 173:9 200:14 260:7 263:13 271:5

duration 42:21 164:17

duties 162:16

Ε

earlier 59:1 100:16 115:20 118:21 150:17 160:10 180:12 187:24 207:7 216:24 223:12 225:1 229:15 249:21 252:15 257:6

early 139:22 252:2,3

ease 192:25

easier 182:24

easiest 197:12

east 70:3

easy 221:22

echo 104:7 157:9,10

economically 46:20 56:18 229:3

economies 93:8

editing 169:13

educational 161:15

effect 145:13 168:7 181:21 225:11

effective 64:2 177:15

effectively 270:12

efficiently 42:25

effluent 76:11 187:2,

9

effort 45:2 147:23 220:5 253:7 254:1,2

efforts 131:8,13

EFIS 115:24 122:12 170:8 247:25

elaborate 180:12 248:24

elaborated 204:16

elaborates 148:6

elaboration 195:4,5

elected 55:13 60:11 108:12,14

election 45:5,17 60:9 104:22,23,24 108:16 114:14 118:20,22,24 119:22 132:18 134:9 135:19 136:2

element 80:12 247:14

eliminate 61:20 233:18 253:8 254:1

eliminating 234:11

elimination 235:15

email 116:10 136:6 242:7 253:3

embraced 60:15

emphasizing 66:10

employed 55:19 56:13 69:24 70:1 137:10 155:25 166:8 173:18 200:21,22 217:25 261:3 263:20, 22 271:9,11

employee 271:11

employment 70:2

enable 61:6 202:13

encompassed 207:3

end 49:15 50:25 54:15 60:12 92:5 102:13 123:8 165:5 185:22

196:15 209:7,11

212:22 214:12 258:19

ends 181:17 258:20

enforce 232:8

enforcement 46:10, 11 83:1,2,4,6 112:15, 17 113:1,16

engage 91:23 209:3

engineer 173:20 229:1 238:22

engineering 56:3 88:17 90:9 93:9,14,16 246:20 247:3 248:15 263:22

engineers 88:20 89:5 242:8

England 40:8

ensure 56:14 147:24 180:18

ensuring 149:16

enter 46:5 138:5 156:22 167:5 174:17 201:25 210:16 212:19 228:16 264:12

entered 45:20 156:6 166:14 173:23 229:24

entering 123:11 125:9 128:24 177:20

entire 75:7 145:1 159:13 222:5 258:21

entirety 141:9 163:24

entities 120:12 189:19

entity 48:18 49:3 115:2 133:3 142:7 146:11 148:20 185:7

entries 39:23

environment 61:22 63:9 187:13 229:3

environmental 139:4,6

equipment 178:8

equitable 249:18

equivalent 96:14,22

errata 70:13,15,23 71:3 72:8,14 79:24

erroneous 89:22

essential 54:9 149:17,23 160:17,21, 24

essentially 44:6 48:11 86:24 88:24 131:6 163:24 177:25 193:3 203:3 209:15 230:17 237:25

establish 154:16 158:21 237:15

established 144:1 196:9 198:22

establishing 54:24

estate 230:1,2 235:22

estimate 85:5 87:2 88:24 175:16 176:13 244:3 247:8,14 248:9

estimated 266:11

estimates 86:23,24 88:16 176:19

evaluate 158:13 160:7 184:6 188:16

evaluated 75:8,17 157:22 159:12 177:11 179:24 183:7 184:4 186:10 187:16 189:14, 22 194:9 202:18

evaluating 46:13 183:1,8 185:3

evaluation 75:13 158:2,18 175:20 176:24 178:4 179:8 188:13

evening 270:19

event 135:9 190:18

events 117:2

eventually 46:5

evidence 54:17 55:5, 6 60:17,21 72:9,11,17 79:7,16 82:7,12 99:18 100:5 103:22,23,25 104:2 117:13 135:3 138:8,20 156:25 157:7 167:9,16 174:20 175:4 192:5 206:10 207:9 210:18,24 222:10,14, 22 241:7,13 261:24 262:6 264:14,21

evidentiary 39:4

exact 73:1 95:9 112:12 135:6 168:25 192:23

EXAMINATION

69:20 90:20 91:15 92:4 95:6,23 101:6 102:23 132:14 137:3 153:7 155:18 162:13 166:1 173:11 193:22 200:16 253:23 260:8 263:15

examined 140:22

exceeds 246:15

exceptions 49:12 239:2

excerpt 213:16,19

exchanged 43:11

exclude 150:3

excluding 63:22

exclusion 215:24

excuse 89:5 177:10 190:17 247:12 260:11

excused 42:23 153:25 172:17 195:10, 22 259:12 262:22 266:25

execute 124:17 128:10

exempt 62:3

exercise 63:7 66:4,23 67:8 158:23

exercised 61:19 66:16 212:15

exercising 66:14,25 67:1

exhibit 43:11,16 70:18,23,25 71:3 72:8 78:21 79:2,6,15 82:1, 2,4,6,9,11 99:16,17 100:2,4 103:10,16,21, 23,25 104:1,2 115:18, 22 116:12 123:20 126:3 127:25 134:12 135:3,18 136:3 137:16,19,23 138:5,7, 14,19 154:19 156:6,9, 15,22,24 157:2,4,6 163:14,16 166:14,17, 23 167:5,8,12,13,15 170:12,18 173:24 174:21,22 201:1 205:20 207:5,6 208:12 210:8,9,16,17,20,22, 23 218:22 220:18 222:10 225:14 226:22 228:23 241:3,6,11,12 257:5 261:8,14,15,17, 22,23 262:1,3,5 264:1, 4,7,12,13,16,18,20 267:5,7,10,17 268:23, 25 269:4

exhibited 57:19

exhibits 43:12,13,15 56:10 70:9 72:1,8,10, 13,15,16 100:7 123:17 174:3,10,18,19 175:1, 3 205:11,20,23 206:17 208:4,7,10,14 222:12, 13,20,21 267:6 268:22

exist 127:13

existed 164:8

existence 214:22 227:20

existing 46:23 55:23 82:1 121:22 122:1 125:18 126:12,15 146:3 148:12 171:16 186:16 187:21,22 225:16 227:16 228:21

233:19 246:22

exists 48:14

expand 265:10

expansion 246:16,19 265:16,20

expect 85:9 194:1

expectation 182:16

expectations 182:22

expected 127:13 209:4 265:17,19

expects 247:5,6

expend 247:1

expending 63:8

expenditure 246:21 248:14

expense 54:15

expenses 168:24

expensive 89:21 106:22

experience 92:15 139:20,23 145:23 161:14 169:7 203:22 265:19

experienced 67:24 169:8,10

expert 83:5 84:23 109:10 143:13 145:10 159:22

experts 84:23 88:16

expire 74:10

expired 239:2

expires 181:5

explain 53:9,11 81:12 84:16 85:25 110:22 121:5 144:5 148:11 149:5 186:22 201:11 221:23 233:14 235:19 245:10 255:18

explained 148:24,25

explaining 253:25

explanation 82:15 99:7 148:6

express 254:3

expressed 57:10 197:22

extended 198:3

extensive 68:13

extent 207:21 270:11

extra 269:14

F

faced 66:22

faces 42:14 199:24

facilitated 63:5

facilities 73:4 189:10, 11,20 211:10 233:19 234:12 235:16,17,21, 24 236:2,6,8,13,21,25 237:6,10 238:25 240:20 241:16 245:8, 22 253:5 254:10 257:23

facility 46:10 61:24, 25 64:11 67:19 68:10 76:12 77:1 90:1 91:19 141:13 164:1 185:17, 18 186:18,23 187:12, 13,21 188:23,24 190:1,2 214:17 215:5, 9,15,22 216:3 217:15, 20,21,23 228:20,21,25 233:20,25 234:15,16, 25 235:7,9 236:9 237:19,25 238:14 239:17,19,23 240:5 241:17,23 242:19 243:25 245:15,24 246:22,23,24 247:1,2, 13 252:4 254:21 257:3,6

fact 44:6 51:9 52:14, 20 58:22 61:4 77:21 99:22 101:11 121:25

146:10 196:9 198:22 202:12 204:18 208:10, 23 241:20

factor 58:2 59:2 62:23 158:22 177:22 183:2

factors 46:15,16 47:16,18 187:16

facts 63:2 151:3 178:18 196:11

failing 113:7,10 182:5

failure 182:6

fair 139:5,17 157:21 158:17 178:3 205:15 206:1 207:15

fall 251:24 252:2,3

falls 54:18

familiar 67:6 81:1 84:4,12 113:21 140:8 143:22 171:8 188:15, 17 189:1 219:24 224:13 242:24 265:13

farmer 181:3 182:23 251:19

farmers 177:19,25 178:10,24 180:18,24 181:13,16 182:23 194:24,25

farmland 178:22,23

fashion 201:10 203:8

fast 269:15

fault 86:11

favor 45:12,18 52:10,

feasibility 47:5 80:5, 7,12,18,22 81:13,17 82:20 84:17 139:20 140:2 143:17,19,23 144:8,12 145:6,8,11, 14,19 168:2,13 169:18,21 171:11,17

feasible 46:20 56:19

feature 245:6

features 245:14

February 111:17,18 139:16 234:4 248:1,3

fee 106:16 127:10 129:8,9,10 250:8

feedback 190:18

feel 39:18 42:7,17,18 92:1 193:17 206:9 207:14

feet 228:24

felt 117:17 148:17 205:15

field 181:15

fields 63:24 76:18 187:5

figure 87:3,25 88:19, 21 125:21 145:7 149:23 150:8 168:15 170:1,4 171:12

figures 80:5 86:24 87:11,16,17 88:6 168:13

file 52:14 119:3,4 122:18 134:18,20 181:22 205:1 223:14 267:10

filed 43:13,24,25 57:8, 9 78:14 79:17,19 81:15 97:10 100:7,8 115:17,22 134:12 136:1 154:19,20 201:17,19,24 202:18 205:24 209:18 234:4 240:4 267:9,11 268:2, 12

filing 43:14 54:1 78:23 97:4,8,9 123:21 170:13,15 207:10 219:14 223:15,20,21, 22 239:24 240:12 241:9 267:6 268:1

filings 123:16

fill 125:7

final 71:19,20 101:2

177:25 191:18 266:24 267:3

finance 220:3

financial 46:19 47:3, 7,13 55:24 56:6,17 83:9 90:9 109:12 168:3

financially 271:12

financing 133:23 217:16 266:12

find 49:11 62:23 63:11 88:4 115:21,24 121:3 126:4 128:2 134:4 149:22 150:11 190:25 199:25 223:15 227:1 228:5 233:21 240:7 248:21

finding 47:17 63:2 150:7 151:12 215:23 216:4

findings 47:15

finds 124:1

fine 70:22 87:18 102:15 124:5 197:9

finger 260:14

finish 51:23 99:12 119:12

finished 197:25 198:1

firm 40:7 261:5

fixed 96:2,13

flat 80:24 82:23 91:8 94:25 98:24 106:16, 18,19,20 111:22 121:6,15 144:1,9 151:14 249:16

Flats 240:24

floor 50:14 132:2 142:16 152:21 191:4 223:1

flow 64:14 88:20,23 89:6 246:11,12,15 247:18 248:11,17

flows 91:17

focus 117:18

focusing 234:10

folks 42:12,14 51:17 111:9,24 148:13 231:4 232:12

follow 43:22 101:5 104:20 179:2 182:5,18 188:8

follow-up 95:21

Footnote 163:19

footprint 184:10 185:1

force 247:11

forced 131:17 246:25

foregoing 271:5

forgiven 155:14

forgot 169:3

Fork 91:18 214:16,20 236:9 237:25 238:12 239:15 247:13

form 70:6,10 103:7 159:23 174:23 178:12 215:23

formal 44:1

formally 44:7

formed 61:11 159:15

forward 58:5,9 60:8 65:13 96:4 106:13 109:12 110:5 115:21 144:24 194:4 196:23 197:11,12 202:13 266:16 268:21

found 53:18 54:3 97:20 98:2,6 123:20 135:5 151:7

founding 58:20

fourth 186:8,12

frame 85:8 125:6

free 39:18 42:7,19

92:1

front 51:2 105:4 159:2 163:10 203:23 209:13 256:18

frown 140:12

full 102:24 182:1

fully 205:18

function 43:3

functioning 113:4

fund 217:17

funds 106:12 247:1

future 45:16 75:3 92:17,22 140:4 213:15 229:11,18 232:14 246:25

G

gallon 96:17 110:13,

gallon-a-month 250:7

gallons 81:8,9 91:3,4, 5 99:5 101:13 106:20, 25 109:21 110:13,20 144:18 145:17 249:19

gaps 268:25

Gas 54:8.16

Gate 214:10 215:1,7,9 217:3 239:6,12,13,14 240:19,23 245:15 247:12,19 248:12

gathered 267:16

gave 255:15

general 47:10 60:15 106:5 133:1 140:18,21 168:5,8,15,19 200:23 202:15 205:13 218:3,6

generally 139:21,23, 25 146:2 187:11,12 188:15 generate 47:6

generic 221:21,24

genuinely 136:14 266:24

give 39:20 44:8,20 50:6 52:25 69:2 87:21 90:13 100:11 102:11 116:6 135:14,18 136:5 150:23 203:21 206:2 223:19 227:24 234:2 236:20 240:8,9 247:25 269:5

giving 77:4 190:18

goal 233:18 234:11 235:5,15,17

good 39:2 40:25 43:8 61:3 65:4 72:22,23 74:2,3 81:10 102:15 104:5,12,13 108:1 113:19 125:11 130:16 131:18 135:10 136:19, 20,21 137:4,5 144:19 145:2,18 146:15 155:5,6,13,19,20 166:2,3 173:12,13 191:14 199:21 200:17 208:20,23 211:5,6 236:8 246:20 247:3 260:9 263:16 269:18 270:18

Gore 236:11

gosh 194:24

governing 108:19

governments 255:22

GPM 41:14

grab 51:3

grant 45:25 48:1,3,11 49:18,21 57:11 62:21 63:5 96:1 137:15 152:1,5 156:5 160:20 166:13 173:23 252:9 254:5

granted 59:3 94:20 146:24 202:13 249:11 257:22

granting 47:18 56:25 57:6 63:2 94:23 179:1 246:19

grants 58:17 59:4 77:14

gravity 214:13,15,19, 20 216:23 225:16 228:22

great 165:17,18 189:6 199:3 207:21 211:24 219:3 270:10,11

greater 55:5 59:24 93:6

Griffin 41:13,14 61:3 64:19 65:22 66:7,12, 18 67:22 68:8,15,21 73:25 74:1 78:3 91:14, 15,21 92:6 95:19 97:22 100:25 107:18 132:9 141:7,8 142:15 153:3 157:17,19,20 160:25 161:25 162:8,9 167:24,25 169:1 172:12 175:13 176:22, 23 177:2 180:21 193:15,16 197:18,19 199:9,18 200:11,13,16 201:12,13,21 202:9,21 203:2 204:7,12 205:5, 8,10,22 206:19 207:2, 11 208:5 209:1,17 210:4,5,6,15,19 222:17,18 253:21,22, 23 259:1 260:4,6,8,24 261:1,21 263:10,12,15 264:11 266:21 269:22 270:6

Griffin's 180:13

groups 86:8

growth 106:14 237:10

guess 87:10 105:6 121:13 139:15 182:13 189:19 203:9 205:3 207:25 208:2 213:14, 20 214:16 216:6 240:23 242:22

guidance 53:22 54:6

67:7

guide 54:4 208:23

guys 43:21 86:19

Н

Hallsville 39:9 45:3,4, 6,21,25 46:9 47:22 48:17 49:7,12 55:9,11 56:12 57:3 58:5 59:22 60:4,8,20 61:8,10 62:2,5,7,15 63:22 64:5,14 67:19,25 68:11 74:5,6 75:6 76:12,18,20 77:1,10, 16 78:11,16,24 79:3 80:1,8,22 81:3,6 82:17 84:2 85:1,7,10,22 89:14 91:17 93:2,20 94:6 95:12 96:8 97:3,5 99:1 100:10,18 103:3 104:14 105:2 106:7 108:13 109:4,15 110:10,11,23 111:10 112:8,24 114:15,25 115:1,3,7,9 116:16 118:8,11,24 120:25 121:23.25 122:4 123:3 129:18 130:6 132:17 133:18 135:20 138:25 140:15,22 141:14,19 142:4 144:1,14,16,23 145:13,16 148:1,18 149:7 150:15 151:4, 13,17 153:11 154:17 168:10,23 169:24 177:6 179:6,13 180:24 183:17,22 184:8 186:16 187:4,21,25 190:1,22 211:18 212:5,20 217:12 223:11 224:16 225:16 226:6,11,12 227:5 228:23,25 229:2,20,24 230:7,11 232:4,6,22, 25 233:12 237:12,25 238:9,12,19,21 239:13,15,18 240:21, 22 246:4,14 248:11,23 249:1 251:18 252:10, 17 254:14 255:13,15,

16 256:16 266:10,15
Hallsville's 46:4

Hallsville's 46:4 61:7,25 63:18 64:10 71:11 75:9,14,18 76:10,11 82:21 83:1 112:10 113:1,22 114:24 121:14,22 122:1 141:10 144:9,21 211:16 245:7,13,24 246:8,10 247:19 249:8,10,12

hand 69:13 102:16 136:22 155:7 165:19 173:4 200:2 227:16 259:25 263:7

handle 70:16 203:17 268:21

handled 84:22 270:12

Hang 234:2

happen 51:9 130:19 150:13 233:13 250:11

happened 225:23,24 256:5 268:1,15,18,19

happening 107:13

happily 199:10

happy 202:22 269:16 270:6

hard 42:13 87:8 98:4

Hartsburg 256:13

Hartsburg's 256:14

hate 191:19

hauled 191:19

he'll 164:23

head 73:2 105:14 125:24 130:21

health 61:22 63:10 230:20,24

hear 52:7 57:13,24 69:9,10,11 73:23 78:10 102:7 120:21 136:21 155:4,6 164:25 165:3,11,14,17,18 202:22 211:25 259:8, 22,24 260:23 269:23

heard 68:20 90:21 97:25 98:5 110:8 112:6 118:6 135:16 143:24 145:2 160:10 221:8 238:7 249:15,21 250:3,5 262:24

hearing 39:5 41:18, 20,21 42:22 45:1 51:4 68:23 69:2 72:14 102:1 103:25 104:23 115:20 135:24 136:15 138:17 153:22 154:9 164:17 167:13 172:19 175:1 192:2 195:11 198:10 203:11,14 207:25 209:9 210:22 222:19 223:13 241:9 259:6 262:3 264:18 267:3 270:4,18 271:5, 10

hearings 96:7 118:7, 15 269:14

heavily 257:14,16

held 45:6,17 105:1,19, 21 114:15 118:8,10, 11,19 148:16

helpful 42:6 78:18 79:9 191:25 240:8,10 268:17 270:2

helping 53:23 54:4 186:21

helps 56:1 212:1

Hernandez 40:7,15, 21,22 268:11,12

hierarchy 49:13

high 106:19 139:25 171:5 248:18

high-volume 171:5

higher 59:25

highly 54:12 71:15

Hill 239:20

Hinkson 245:16,17, 22,25

history 77:7 182:14 236:20

hit 116:9

hold 104:23 251:23, 24 252:2

holder 66:3

holding 112:8

holds 54:16 83:13

Holsman 39:15 50:16,18,19,20,23 51:5,13 52:7,12 64:24 65:17 107:25 108:3,6

home 128:21

homes 227:12,17,22 229:12 230:17 231:4

honor 91:25 94:10 101:16 132:12 134:2 141:4 152:25 153:3 167:21 172:8 175:10 232:7 262:13

hook 229:20

hope 135:8 172:18 193:18 196:17 270:18

hoping 86:15 169:17 192:3,13 206:25

Horan 69:2,6,10,19, 21,23 70:13 71:2 72:22 73:20 78:7,10 79:21 80:19 82:15 87:22,24 90:21 92:5 94:13,15 95:7,16,21, 24 97:7,9,18,19 98:6, 13 100:16 101:3,7 110:8 112:7 176:9 192:24 201:6

Horan's 70:20 72:13 82:3 100:12 112:25 113:25 118:14 122:8, 13 142:22 143:10 192:4 267:9,21

hosted 121:17

house 126:14 260:22

households 150:14

houses 126:13 hybrid 89:1

I

idea 85:8 88:9 187:6 266:12

identical 267:13

identification 103:10

identified 43:12 45:24 81:17 194:9 197:16 204:10 206:14, 17 208:22 217:20,21, 23 218:25 241:2

identifies 114:12

identify 40:2 97:6

identifying 208:12

imagine 99:24 169:7

immediately 85:4,15

impact 47:8,9 60:1 75:9,14,18 93:5 168:18 215:24 216:5 254:18,20 266:12

impacts 245:8

impaired 245:18,20

impairment 245:24

implement 190:12

implementation 244:10

implementing 230:23

implications 83:10

implore 57:15

importance 54:14

important 50:5 54:12 194:3,6,11

impose 47:25 63:16 67:18

impossible 168:22

impractical 89:22

improper 81:16 205:6

improve 47:4,14 83:8 228:21

improvement 54:11, 12 234:16 235:1 237:8 243:24 244:2,5 246:15 257:19

improvements 45:16 84:19 140:15,22,24,25 143:20 217:16 245:22

in-camera 86:18 87:6,20

in-house 93:14,16

Inaudible 165:2 176:20

include 44:1,7 57:5 115:6 140:19,23 143:19 145:7 150:10 152:6 159:9 161:14 239:11 255:2 265:10

included 39:25 57:4 68:9 79:1 112:25 145:5 152:13 168:12 199:10 206:23 207:10 240:5,19,21,22 244:16 247:9 250:10 257:1,23 267:23

includes 61:25 68:10 78:15 86:24 111:19 112:7 113:2 114:12,21 159:19,25

including 43:12 45:15 59:24 61:10 182:5 216:4 235:12

income 47:6 139:22 140:2,4 145:15 249:18

incorporated 49:7 159:9 164:3 199:4,12

incorporates 168:22

incorrect 94:1

incorrectly 247:15

increase 106:12,15 109:16,25 110:1 140:19 144:9,23 146:10 147:20 249:8, 12

increasing 146:19

indefinite 48:13

indicating 67:11 87:4 143:25

indication 102:13

indispensable 54:9

individual 69:3 84:12 96:16 140:13 200:24 261:6 263:24

individuals 77:9 129:15

influence 151:13

information 39:24 41:2 51:8,10 57:21 69:1 72:5 76:4 86:16 88:11 103:19 118:21 130:24 132:16 143:19 144:3,7,22 150:13,16 151:11,19 159:4 168:9,20 169:15 175:15 176:6 178:18 179:5 181:2 185:21 193:3 196:12 201:24 205:16 206:15 208:20 209:12,24 250:10 266:14

informed 81:23,24 184:19

infrastructure 90:3

initial 47:6 92:5 107:9 130:25 250:13 269:7

initially 143:6 248:24 267:11

initiate 148:4 199:19

initiated 160:13

input 203:21

inquiring 253:4

inside 219:21

insight 98:25 168:3

inspection 178:24 182:3

install 39:7 55:8 57:1 60:18

installation 226:19

instance 142:8

instances 47:17 188:22 189:4 237:10

instructing 267:15

insure 41:24 55:17

integrity 56:3

intend 77:24

intended 66:7 92:7 150:8 204:19

intends 81:2

intent 148:24,25 150:9

intention 75:2 81:18 91:9 94:5,24 233:1

Intercon 54:8,16

interest 46:21 47:18, 20 54:17 56:20 59:22 60:1 62:25 63:4,6 150:12 249:4

interested 51:14 60:4,10 125:9 162:1 178:25 271:12

interesting 176:1

interferes 63:6

internally 152:16

interpret 230:12

interpretation 208:2

interrupt 65:21 107:23 142:19

interrupted 132:4

interrupting 211:23

intervention 59:5,24 208:18 240:5

introduce 89:1

introduced 95:3 238:4.6

introducing 88:25 201:19

introduction 85:9

investigated 57:16

investigating 55:21

investigation 55:16 56:21 159:7,11 160:6 162:23 179:6

invitation 101:5

invite 107:23

invited 60:10 65:20

involve 68:2 77:24 92:7 185:17 186:13 190:1

involved 83:10 139:12 206:5 218:9 220:5 230:20 257:11, 14,16,18

involvement 75:21 76:1 109:8

involves 61:4 128:18

involving 64:13

irrigate 251:20,22 252:1

irrigating 252:1

irrigation 64:13 76:25 77:3 88:21 89:3,6 177:9 178:8 179:10, 18,21,25 180:3,15,16 183:1,16,23,25 185:23 187:5 194:20,23 251:21 252:6

irritate 260:21

issuance 73:11

issue 49:1,16,19 59:8, 15,16,18 62:14 66:14 97:2 131:21 144:11 149:24 157:23 158:4 175:24 177:10 178:1,5 179:1 196:10 197:4 202:20 203:20 204:3, 14 205:1,7,10,12 206:12 207:18,20 208:9 209:16 246:6 267:3

issued 53:25 63:1 76:5 150:20 188:5 196:6 197:1 198:25 199:5 218:18 219:4 233:8 238:19 239:5 251:18 268:24

issues 43:24 46:8 48:13,15,18 58:15 64:6 67:24 76:21 77:8 100:11 101:2 106:13 113:1 133:20 139:4,6 168:10 177:14 178:9 194:10 202:7,15 204:7,19,24 206:22,25 207:15 208:15 217:3, 4,11 236:16 266:11

issuing 58:3 63:15

item 86:14 267:20,22

items 201:16

iteration 257:6

J

J-A-R-R-O-D 155:23

JAB-B2 181:23

Jacobs 39:2,10 40:13,19,22 41:3,9,16 44:12,19 50:1,11,17, 22 51:7,16,21 52:1,5, 8,13,18,24 53:2 60:24 64:19 65:16 66:9,13, 20 67:3,10,15 68:4,12, 16 69:11,15 70:17,24 72:12,18 73:23 78:4 79:8,13,17,22 80:15 82:8,13 87:13,15,23 90:11 91:12,22 92:1 94:11,14 95:1,18,20 97:1,10,14,19,24 98:3, 12 99:9,13,19 100:6, 23 101:1,17,25 102:9, 14,18 103:24 104:3 107:16,20 108:2,8,11 116:4,8,13,15,18,19

122:21 124:3.7 131:24 132:7,10,13 134:3,17, 24 135:8 136:14,21,24 138:9,21 141:5 142:16,20 152:21 153:1,4,9,20 154:8,24 155:6,9,14 157:1,8,12, 16,18 161:2,7,11,25 162:7,10 164:13,20 165:3,15,17,21 167:7, 10,17,22 169:2,6 170:19,21 172:5,9,13, 15 173:1,6 174:21 175:5,11,24 180:10 191:3,9 193:10,14,17 195:8.14.25 196:16 197:13,17,20 198:9,21 199:3,22 200:5 201:11,18 202:2,19 203:19 204:5,13 205:7,19 206:12,24 207:8 208:7 210:19,25 211:22 213:2 221:9 222:11,15,19,25 223:9 241:1,8,14 243:9,16 244:13 250:19,23 251:2,3,6,10 253:17, 20 259:3,11,22,24 260:2,4,13,19 261:25 262:7,11,14 263:2,6,9 264:15,22 265:1,4,7, 25 266:5,18,22 267:25 268:9,15 269:16,19 270:10

James 137:2,8,14,19

Jana 39:10

January 60:11 111:17,18 120:2,4,15 122:14 124:22

Jarrod 57:14 155:16, 23 156:4,9

Jason 39:15

Jefferson 41:8

Jennifer 40:7 41:13 268:11

Jim 57:13

JJR-2 161:13

JJR-S1 161:13

job 84:13 152:3 169:13 262:20

John 132:21,25 133:11

Johnson 41:1 53:8

join 39:16

joined 172:22 223:3

joining 50:12

joint 43:24 219:14

judge 39:2,11 40:6, 13,19,21,22,25 41:3,9, 13,16 44:12,17,19 45:1 49:21 50:1,9,11, 16,17,19,22 51:1,7,16, 20,21 52:1,5,6,8,13, 18,24 53:2,6 60:24 61:3 64:19,24 65:1,16 66:8,9,13,20,23 67:3, 5,10,15,22 68:4,12,16 69:10,11,15,18 70:12, 17,22,24 72:7,12,18, 20 73:23,25 78:3,4 79:8,13,17,22 80:14, 15 82:8,13 86:10 87:10,13,15,23 88:7, 15 90:11,19 91:12,14, 21,22 92:1 94:11,14 95:1,5,18,19,20,22 96:25 97:1,9,10,13,14, 18,19,21,23,24 98:3, 12 99:9,11,13,19 100:6,22,23,25 101:1, 17,25 102:8,9,14,18, 20 103:21,24 104:3,10 107:16,19,20,25 108:2,6,8,11 116:3,4, 6,8,11,13,15,18,19 121:4 122:21 123:1,25 124:3,7,15 130:3 131:24 132:6,7,9,10, 13 134:3,13,17,24 135:4,8 136:14,20,21, 24 137:1 138:9,21,23 141:5,7 142:16,20,25 149:25 151:11 152:21 153:1,4,6,9,20 154:8, 24 155:5,6,9,11,14,15

157:1.8.12.15.16.18 161:2,7,11,25 162:6,7, 9,10,12 164:12,13,19, 20 165:3,13,15,16,17, 21,23 167:7,10,17,22, 24 169:2,6 170:19,21 172:5,9,13,14,15,25 173:1,6,8 174:21 175:5,11,13,24 180:7, 10 191:3,8,9,14 193:10,14,16,17,21 195:7,8,13,14,24,25 196:15,16 197:8,13, 17,20 198:9,21 199:3, 21,22 200:5,13 201:8, 11,18 202:2,19,25 203:13,19 204:5,13 205:3,7,19 206:12,19, 24 207:8,17,23 208:7 210:5,19,25 211:3,22 213:2,4 221:9 222:9, 11,15,18,19,23,25 223:9,19 241:1,8,14 243:9,16 244:13 250:17,19,23 251:2,3, 6,10 253:15,17,19,20, 22 256:25 259:3,11, 22,24 260:2,4,13,19 261:25 262:7,9,11,14, 24 263:2,6,9 264:15, 22,24 265:1,3,4,7,25 266:4,5,7,18,21,22 267:25 268:9,11,15 269:16,19 270:10

judge's 95:25

judgment 112:18,19 244:4

July 45:20 55:10,12, 15 116:23 117:3 221:16

jumbled 161:3

jumping 155:12

jurisdiction 53:15 58:20 59:25 62:4 162:18

justify 90:7

justifying 54:11

Κ

Kansas 261:5

keeping 85:21 136:3

Kenney 39:13

kind 66:10 89:1 90:7 98:9 104:20 108:10 129:3 134:21 162:24 168:21 185:22 188:6, 13 203:6 205:6 232:19 233:3 241:24 247:4 248:13 268:25

knew 228:18 269:14

knowing 51:17 77:22 121:10 142:12

knowledge 72:5 73:6 103:19 125:15 138:2 156:19 158:1,13 160:6 167:2 174:14 188:19 210:12 256:20 261:18 264:8

L

labeled 88:14 214:19 225:15 257:4

labor 93:9

lack 140:3 178:4 254:2

lacks 62:14

lagoon 112:8 113:3, 11 125:4,8 126:9 184:13,16 187:21 229:4,7 232:12 236:11,12 247:19 248:11 251:24

lagoons 187:22

laid 53:22 59:12

land 48:21 63:24 64:13 76:10,17 77:2 84:1,2,8,14 85:7 128:20 177:9,23

178:1,4,8,9,12,14,20 179:9,10,12,13,16,20 180:5,16,18,19,23 181:6 184:7,12,13,15, 23 191:17 194:22,25 195:2 228:20 232:18, 19 251:15 252:6

landowners 76:17,21 77:8 177:14,24 182:2, 4,14

landowners/partners 77:4

lands 181:7

language 67:6 77:12 115:6 182:21

large 234:21

larger 86:9 87:3 126:9

largest 184:15

Lastly 48:25

late 236:24 237:5 252:1

late-filed 134:12 135:18

latest 109:5 170:15

Lathrop 41:14

law 39:11 40:7 46:6 59:7 62:1 66:19

Lawson 171:10

lawyer 182:19

lawyers 43:19

lay 270:8

lead 56:1 92:23

lean 197:7

leans 55:6

learned 249:7

leased 76:18 178:4,9 180:24

leases 181:9

leave 39:17 40:1 42:12,16 50:4 197:10

led 53:14 163:4

left 154:10 160:3 243:16

legacy 236:16

legal 206:6 232:11 270:11

lengthy 239:3

Lenoir 236:12

Leslie 219:25 220:22

let all 39:19

letter 216:2

letting 134:18

level 49:6,11 58:5,7, 25 59:25 61:18 62:13 65:6 73:9 75:23 87:24 109:8 143:22 145:15 158:10,12,19,24 159:8,12,19,25 161:20 162:25 163:5,22 164:3,7 212:15 218:10 219:5 243:23 244:7 254:5,24 257:12,20,21 258:8

levels 58:16 113:11

leverage 93:11

Liberty 60:7 106:1,4 119:24 120:6,10

lieu 184:13

life 246:22 247:2

light 203:24

limit 63:21 66:10 217:9

limited 86:6 158:18

limiting 194:14

limits 63:22,23 125:14 126:19 129:22 141:11,13 219:21 222:5 230:4,5 239:18

lined 69:3

lines 54:12 125:7 236:4 266:15

Lisa 271:3.17

list 43:24 112:4 113:1 205:21 207:6 208:12 245:18,20 267:5,7,10, 20

listed 213:25 245:17 246:12

listing 213:14

lists 43:12.17

literature 96:10

litigation 63:8

live 203:4,10,14

living 126:13 149:9

load 246:14,23

local 76:17

locate 52:13 98:17 115:19

located 61:8 63:24 97:15,18 141:10,13

locates 97:15

locating 237:21

location 225:15 227:1

locations 236:8

log 182:7

Logan 102:3,21 103:1

long 77:15 85:12 130:19 141:18,22 181:6 182:2 188:19 203:1 218:6 220:17 239:1 242:1 268:2

long-term 56:8 58:10 59:24 61:15 75:10 76:11,16,25 77:17,25 175:16 177:6,17 179:18 184:8 186:9 194:12 206:6

longer 62:5 142:4,6,9

looked 229:1 267:20, 22 268:16

lose 149:14

losses 249:2

lost 243:8 247:25

lot 57:24 98:4 126:9, 14 149:25 207:25

lots 125:22 126:6,12, 13,16 128:22 129:17, 21 130:5,7 226:10 227:12,25 228:9,14 230:2,9 231:18 232:5, 6,24 244:1 246:13

low 102:6,10,13 249:18 260:17

low-volume 171:7

lower 49:13 58:8 85:22 87:3 89:7 93:2 113:11 146:3 171:16 217:9

Luft 40:11,14 51:12, 20,22,24 52:3 176:8, 10,12,16,20

lump-sum 126:22,24 129:2.9

lunch 43:8 136:5 154:2

M

M-A-T-T-H-E-W 166:6

Macon 253:3

made 50:3 58:13 85:18 89:13 103:13 113:20 119:19 123:17, 21 127:16 131:13 173:2 182:8 224:22,23 225:4,11,21 226:15 227:22 233:11 234:22 238:8 243:22

Maida 39:14

main 104:16 112:8 177:22 247:11 259:20

maintain 39:8 55:9 57:2 60:19 71:10 104:17 255:25 256:1

maintained 228:22

maintenance 45:16 49:4 106:13

major 233:18

majority 45:11,18 119:18 164:1

make 42:24 44:23 46:23 57:23 64:10 68:20 69:8 70:18 74:17 77:12,19 83:7 84:20 85:20 90:14,21 95:7,13 100:7 104:17 117:25 120:23 126:22 127:19 136:19 138:10 143:20 145:2 147:3,8 148:25 149:8,13 150:1 151:2,23 155:4 160:4 165:4 168:6,17 172:2 175:14 183:18,22 184:19,25 187:16 192:12,14 193:1 194:19 202:19 205:18 208:20 209:11,23 233:7 238:23 239:25 242:22 243:11 245:21 246:21 252:20 262:17 268:22 269:21

makes 89:21 140:15 188:14

making 54:15 131:10 149:6 229:18 246:15 250:24

manage 39:8 55:8 56:6,7 57:2 60:19 252:20

management 61:23 62:18 68:7 230:23 242:21,25 243:19 244:10,21 245:2,8 257:1,7

manager 70:2 137:12 139:10,16 200:23 218:3,7 220:3 263:23

managerial 47:13 55:24 56:4,5

mandate 48:16

manner 149:11 221:24

map 54:4 126:2 130:2 143:6,9 216:15 226:21 228:23

March 43:25 57:9 111:17,18 218:1,4 220:4

mark 41:1 53:8 70:15, 24

marked 70:9,18,23 71:3 103:10 116:11 123:19 124:10 127:25 137:15 138:13 175:18, 23 213:11 214:9 222:12 223:16 267:6, 17

Martin 76:17 77:8 master 59:6

match 144:9

materials 68:9 93:9, 11.13

math 99:3 101:5

mathematicians 99:6

MATT 69:19

matter 39:5 48:24 57:22 175:14 202:1

matters 41:22 44:15 201:13 202:4,14 205:9 207:15 230:21 267:3

Matthew 57:14 69:23 164:21 165:24 166:6, 12,17

MAWC 65:6,12 139:8 179:1 193:24

maximum 126:16

mayor 52:22,24 94:2 98:8 103:3 104:12 107:8,14,22 108:13, 16,23 109:8 116:7,9 124:1,17 132:2,15 135:22 150:16 195:16, 21 249:13

Mcclure 263:22

MDNR's 46:10

means 49:3 66:23 67:8 83:3 87:2 109:10 112:14 171:17 191:18 198:1 217:16 243:19 251:23

meant 153:18

mechanical 184:4, 12,17 185:1,4,13,17 186:2 191:11,21

meet 53:18 56:3 247:1

meet all 63:12

meeting 104:21,25 105:1,3,5,15 119:23 120:5 163:4 220:9,14 221:5 242:4,6

meetings 50:5 55:11 105:17,20,22 118:7, 10,19 121:16,17,19 257:15.17

meets 56:22

member 159:24 160:6

members 39:11

memo 163:15 181:2

memorandum 181:23

memory 81:7,10 216:2 217:19 221:12, 19

mention 58:19 154:12 269:21

mentioned 42:4 93:5 132:16 133:2 144:13 159:6 187:18 198:11 215:14 229:15 236:14

mentions 128:18

merged 189:23

message 44:20 69:4 223:7

met 54:23 57:20 62:23

112:19 117:22 meter 110:24 metered 111:2 metering 110:19 method 89:2

MH-1 114:1 MH-2 122:8

MH-3 142:23 143:1.2

MH-4 122:15

MH-5C 86:14 88:5 192:5,15,23

MH2 122:16

mic 260:18.20

microscope 113:18

Mid-missouri 236:24 237:3

Mile 239:19

miles 89:19,21 90:2 214:18

million 45:14 247:10

mind 266:15

minimal 93:24

minimum 113:11

minute 155:3 266:1

minutes 43:8 105:4 162:24 163:4,7,22 221:14,16 222:8

missed 92:12 250:24

mission 61:20

Missouri 39:9 41:8 45:6 46:6,9 47:2,3 49:19 53:8 54:11 55:10 58:14 61:16,17 62:13 64:12 73:3,5,18 75:22 76:6 84:1.9 114:15 121:12 136:3 137:13 144:9 156:2 158:24 161:18 166:11 170:7 171:1 173:20 190:16,17 229:16

239:4 245:21 253:4.6 271:4

Missouri-american

39:6 40:4,9,10,11 44:25 45:9,13,20,22 46:25 47:3,12,19,21 48:1,3,8,9 49:8,22 53:11 54:23 55:1,3,7, 13 56:10,22,25 57:6,7, 11,16,17,19 58:4,7,9, 24 59:10,14 60:2,6,13, 18 61:4 62:4.8.11.15 63:1,3,8,12,21,25 64:1,4,8 67:18 68:1 69:16 70:1 72:25 73:5, 8 74:4,9,13,19,21 75:2,8,17,25 76:5,10 77:2,16,24 83:18,25 85:1,20 86:1,7 90:1 91:16,23 92:7 93:1 96:3,4,22 97:5 98:23 105:6,12,15,19,25 106:4,9 114:8,12,18 115:6.14 117:21 118:16 119:24 120:5, 10 121:8,19 122:1 123:3,21 133:4,17 134:6 135:21 136:2 140:6,9,10,12,14,20 142:2 143:25 144:15, 17 145:14 148:15,16, 18,22 150:24 151:15, 19 152:24 154:19 157:14 160:12 162:4 167:20 168:9,22 169:23 171:6 172:7 175:8,17 177:7,11 178:14,19 179:9,15,18 180:4 182:17 183:10, 15,23 184:6,23 185:4, 10,25 186:9 187:20 188:7,10 189:15 190:11,22,23 193:4,11 194:3,14 195:1 202:12 204:10 205:11,15 206:8 207:13 208:4 211:14 212:22 213:3 217:13 218:21 223:22 231:24 233:12 248:23 249:3 251:14 253:17 254:19 255:14 256:17

262:12 265:2 266:6

Missouri-american' **s** 45:2 47:4,7,10 50:7 62:16.21 63:13.17 64:17 77:14 81:2,25 92:15 94:5 103:25 135:17 143:6 144:3 145:6 168:7 170:6,24

196:1,5,22 205:20

265:9 267:4 Missourian 135:5,11 mitigate 63:17 mixed 118:1 modernization 49:4 modernize 236:7 modification 226:18 modifications 204:9, 14 225:10

modify 77:3,11 modifying 77:9

moment 69:2 136:6 159:6 189:8 209:16

money 56:8 110:3 249:14

month 109:21 249:19

monthly 145:15,20 182:7

months 111:16 117:23 251:22,23 253:3

months' 111:20

morning 39:3 40:15 41:1,4 44:16 50:4 61:3 65:4 67:11 69:6,7 72:22,23 74:2,3 104:12,13 109:15 136:20,21 137:4,5 155:13

mouse 134:3

mouth 89:15

move 40:23 44:24 60:8 65:13 100:12 135:13 136:4 146:19 167:17 199:25 269:11

moves 138:5 156:22 167:5 174:17 261:21 264:12

moving 96:4 106:13 109:12 194:8 199:24 226:8

multi-generational 178:23

multicolored 192:18

multiple 192:10 193:5 233:24 234:22 254:3

municipal 61:7 62:3 141:20,24,25 142:5,9, 11,13 163:25 237:15 255:22 256:7 257:23

municipalities

121:11 222:7 244:15 256:12

municipality 83:7 142:7 254:15 256:2

municipally 212:16

municipally-owned 254:10

mute 104:5 134:4 157:10 165:6 167:19 173:2 175:6 200:11 223:4

muted 165:5 172:24 200:8

mysterious 89:10

Ν

name's 200:19 narrative 244:1

Nathan 41:6

national 93:10

nationwide 93:12

Natural 46:9 49:20 57:25 58:2,14,15,16, 22 59:9,16,19 62:14

73:18 162:22,25 185:8 216:3 239:4 241:21 247:4 253:6 265:14

nature 131:20

nearby 178:8

necessarily 90:4 208:21 267:19

necessity 39:7 45:23 46:14 47:19 49:22 53:13,16 54:9,10,15 61:6 62:22 63:3 77:15 83:13 127:7

needed 85:20 104:17 110:6 114:4 125:4 135:9 175:21,22 178:20 180:5,19 225:10 240:1 265:20

needing 204:6 269:11

negative 257:2

neglected 198:12

negotiate 45:13 114:22 115:13 148:13 160:13 233:6

negotiated 148:19 182:17

negotiation 152:7 233:8 239:3

negotiations 148:4,7 149:3 150:20 160:13 215:7

neighbor 125:11 130:16

neighborhood 73:3 125:7 129:20 236:22 237:1

net 81:19

no-discharge 64:11 185:13,18 186:17,19, 23,25 187:4,12 188:1, 23 189:3,11,13 190:2 191:12,17,23 252:4

noise 243:11

noncompliance

177:21

nonpublic 41:22

normalized 250:7

north 181:3,17

notation 171:11,13

notations 250:24

note 57:23 99:20 175:15

noted 109:17 178:7 250:24

notes 248:5

notice 95:10 198:19, 25

noticed 114:11 250:23

notify 182:5

November 45:6,17 60:6,9 113:12 114:15 118:4,20,24 119:21,22 134:9

number 39:5 45:4 73:1 93:24 95:14 106:11,17 110:23 111:2,4,6 122:22 124:11 126:6,20 128:1 129:19 137:20 151:5 171:20 189:6,20 191:20 198:20 227:24 246:12,13

numbering 267:8

numbers 51:2 52:6 80:5 85:5 87:12 112:2 119:2,5 135:6 175:20, 21 176:13,25 268:13,

numerous 46:8

0

object 48:8,10 135:1 201:8

objection 79:12 82:8 99:19 134:24 135:4

157:2 167:12,13 175:1 198:18,23 199:8 210:1 222:12,16,18,19 241:5,10 262:1,3

objections 72:12,15 79:11 103:24 104:1 138:15,17 174:25 199:4 203:13 210:20 264:16,18

objects 62:20

obligation 74:14 231:25 232:4

obligations 152:9 232:7

obstacle 177:16 206:7

obtain 64:1,4 75:22 151:15 183:15 185:5, 10 189:16 190:11

obtained 65:25 179:5 183:21 184:1

obtaining 66:16 257:11

Occasionally 92:18

occupied 126:12

occurs 71:17,20 119:17 196:1

October 118:11,19

offer 72:7 97:5 100:2 103:21 116:16 117:21 120:24 133:7 206:16 209:2,17 210:4 211:20 212:9,12 222:9 238:8 255:16,23 256:3 257:25

offered 51:8,10 72:11 79:6 82:6 97:3 99:17 103:23 117:13 135:3 138:7 156:24 167:8 174:19,25 205:21 206:18 208:8,14 210:17 222:13 241:6 261:23 264:13

offers 120:7,22

office 41:4,7 44:1 134:8 198:12,13 199:10 253:4

official 43:6 105:4 109:6

officials 55:13 60:12 183:5

older 95:11

on-site 231:10

One-six-one 213:18

one-time 127:3 129:7 225:4.7

ongoing 246:6,8 247:17 248:18

OPC 44:3,7 198:23 199:10 203:19

open 50:14 67:9 90:17 117:18 132:2 142:16 152:22 170:18 191:4 223:1

open-ended 160:2

opened 97:2 208:9

opening 43:22 44:16, 18,21,24 50:3,14 53:3, 5 61:1 223:24

operate 39:8 46:1 47:13 49:13 55:8 56:8 57:1 58:4 60:19 62:3, 6,10,20 73:5 77:20 84:1 85:4 184:12 194:2,4,7 211:11,18 212:6 255:25 256:1,2, 6,11,13 258:1

operated 84:8 228:22 254:15

operates 59:22 141:19,23 182:2 184:17,18 239:1

operating 46:5 58:3, 24 59:3,15 62:15 64:2, 9 65:8,14 66:25 73:12, 14,17 77:13,16 80:9 83:18 113:11,13 148:4,20 150:23 160:15 185:12 188:4 193:25 229:16 239:2 245:13 257:24

operation 46:2 49:4 75:19 182:7,21 194:10 239:6 245:8 265:18

operational 229:7 237:4,7

operations 70:2 75:15 84:11 113:7 194:11 233:16

operator 84:19 143:20 182:3,8 246:18

operators 252:23

opinion 59:7 89:23, 25 133:3,7 159:23 160:16 177:22 246:3

opportunity 39:20 43:8 44:1,2,8 50:6 60:3 79:18 90:14 100:7 105:16,18 120:11 135:1,14 153:5 194:21 204:25 207:20,

opposed 185:17 249:16

opposition 240:4

option 62:7,9 77:3 78:1 85:7,12 88:10 89:16 90:5 177:15 178:11 179:10,21,24 180:3,4,17 183:2,8,16 184:2,3,20 186:3,4,7, 11,12,13 188:8,9,16 189:22,25 190:5,10, 14,20,21 191:1 217:18,19,23 258:1

options 48:21 76:25 77:21,22 176:14,25 190:21 194:22,23 202:17 207:6,20 217:20 229:1 230:16 232:16

order 43:22,23 57:5 62:21 63:1 104:19 146:22 152:1 183:21

196:6 197:1 198:19,25 199:4,5,11 202:1 207:18 218:18,25 219:2,4 268:12,24

ordered 55:15 269:7

orders 152:4

ordinance 45:4,5,10 78:16,24 79:3 104:22 106:17 107:3,7 113:21 114:7,12,13,14,20 115:12 117:5,10 124:11 128:4 224:2 230:19,23 235:25 244:11

ordinary 209:8

original 180:8 239:9

originally 81:17

Oswald 219:25 220:22 222:1

Oswald's 221:18

outcome 229:19 271:12

outlined 56:24 57:7, 25 60:14 63:19

outlines 58:23

outlining 54:1

overlap 206:22

overlooked 51:11 52:18

overly 208:21

overseeing 109:11

overview 175:15 177:5

owned 49:8 61:5 142:6,7,13 177:24 212:16 228:22 232:25 252:6 254:14 256:12

owner 142:13 184:18

owner/operators 253:1

ownership 48:20

owning 178:8 257:24

owns 59:22 141:19,23 235:16 238:25

Р

P.C. 40:8

p.m. 198:11

P.O. 41:7

package 89:7

pages 164:23 170:23 192:10,25 193:5 245:6 247:9.23 248:5

paid 80:8 129:10 225:2,5,7

pains 120:23

paragraph 127:1 129:5 130:23 131:4 182:1 222:1 225:1,6 227:2,3 228:4,6,11,15

parameter 184:9

parameters 85:5 183:25 186:5,6 191:22 194:8

paraphrase 246:5

part 43:6 68:10.12

paraphrasing 85:23

parcel 184:14

76:15 88:4 107:8 112:7 114:19 122:19 130:16 144:16 150:4 162:14,16 168:13 169:13 177:18 201:9 206:21 207:4 213:6,8 233:22 238:20 244:5, 16 248:9 251:1,19 257:7 270:7

partially 177:20

participants 43:4

participate 41:20

parties 43:11,24 44:6, 14 60:5,10 79:18

81:24 82:5 98:5 100:11 120:5,21 138:12 174:24 195:17 196:24 198:24 199:16 203:16 204:4 208:13 209:3,15 269:10 271:9,11

partner 251:19

parts 194:8 234:22

party 40:2 51:8 54:25 55:6 67:3 97:16 102:3 105:18 167:12 268:9

pass 104:22

passage 234:10

passed 45:4 50:24 106:25 113:22 117:4, 10 119:22

past 47:15 109:15 140:6 203:22 204:2 213:14

patience 69:5 112:3 151:10 253:10

patient 97:14

Patrick 103:1

pattern 61:4

pause 265:25

payment 126:22,25 127:4,5 129:3,6 225:2, 20 226:14

payments 127:15 224:22,23

PC 261:5

PDF 122:24 223:24

pending 131:21 164:14 196:5

people 44:23 47:23 55:11 60:7 109:23 126:12 199:24 203:24 221:21 260:22

people's 147:17 199:24

percent 52:11 83:16,

17 88:20 107:1 109:17,20 142:10 191:20

perfect 112:5

perfectly 267:13

perform 158:2 188:10

performance 229:17

period 48:13 66:2 77:20 111:14 181:4,9, 12,20 242:12

permanent 49:3 190:23 194:12

permit 46:5 49:5 58:3, 24 59:3,15 62:15 63:8 64:2 65:8,14,25 66:1, 17,25 67:21 73:17 77:13 80:10 112:10 113:8,13 148:4 150:20,23 160:15 179:13 185:11,12 186:1 187:23 188:5 215:6,13 217:7,9 229:16 233:8 245:13 246:11,12,18,19 247:5 253:3 265:18

permits 49:2 64:7,9 73:13,15 183:3,14,21, 24 185:5 189:16,17,19 190:11,15 239:2,5

permitted 140:7 186:17,19 189:11 190:1 236:13 240:20 245:13,14

permitting 49:17 265:13

person 51:19 109:1 120:16 158:13 219:24

person's 111:21

personal 133:8

Personally 66:25

perspective 144:22

persuaded 208:11

pertaining 162:25

pertains 129:14 196:18

ph 236:11

phases 242:7,9

phasing 242:6

philosophy 146:9

phone 221:22 223:4

phrased 148:14

physical 225:25

pick 154:5

picking 200:7

piece 128:20

pieces 267:21

pipe 232:23,24 233:2

pivot 182:2

pivots 182:6

pivots' 182:7

place 78:11 117:2 130:20 160:4 196:4 227:18 229:5 232:12,

plan 61:23,24,25 62:18 63:18 64:5,12 68:7,10 85:4 98:9 106:8 133:19,22 215:5 216:4 217:16,20,21,23 228:25 233:18,20,23 234:25 235:6 237:20, 24 238:3,14,21 239:9, 13,21,23 240:6,15,17 241:17,23 242:7,21,25 243:19,24,25 244:2,7, 21 245:2 249:4 257:1, 3,6,7,19 266:11

planned 201:23 248:15

planning 58:10 61:15 75:10 92:8 107:9 206:6 236:17,18 252:12,13 255:2,6 269:23

plans 48:12 59:24

107:10 183:10 215:22 227:6 233:25 234:14, 15,16,17,19 235:7,9, 12 237:8 241:16 242:19,22 243:24 244:5 245:9

plant 184:4,9,12,17 185:2,4,11,13,17,21 186:2 189:23 190:21 191:11,21 194:7 214:21 215:15

plants 189:2 254:1,8

play 58:2

pleading 78:14 123:22

plenty 184:12

point 39:17 51:9
66:21 67:4 77:18,23
78:5 86:25 99:25
107:23 131:25 150:19
151:23 169:5 201:10
203:13,15 204:21
208:9,22 209:7,20,23
225:16,17 231:20
238:7 265:6 269:25

pointed 89:18

political 61:13

pop 164:23 259:20

population 47:10 109:4 246:25

portion 89:2,3 207:14 215:1 216:19,22,24 221:1 267:3

portions 205:23

posed 152:14 160:3 255:12

poses 206:6

position 48:8 57:9 63:19 67:23 74:14 144:25 150:6 204:20 206:3,8 212:11 255:7, 18 256:22

positive 47:6,15 139:22 140:1,4

possesses 47:12

possibility 117:23 135:18 178:16 204:8 259:15

possibly 66:14

post-hearing 269:7

posthearing 152:19

potential 117:18 176:14 177:6,10,14 180:2 186:9 189:15 208:12

potentially 79:9 116:4 118:8 125:22 164:16 226:25 232:13 247:15

Powell 236:11

power 48:12 93:12

powers 61:15

practical 193:24 194:1

practice 76:10 246:20 247:3

practicing 203:23

pragmatic 232:11

pre-filed 68:10

precise 79:19

predicated 254:3

prefer 42:12 196:12 197:10 208:25 209:7

preference 147:15, 17.19

prefiled 72:14 203:13 210:4,21

prefiling 204:1

preliminaries 44:13 154:25 199:16

preliminary 175:14

premarked 156:9 166:17 167:11 174:2 201:1 261:8 264:1 **prepare** 156:8 166:16 227:6

prepared 70:4 84:22 88:16 103:5 119:14 174:1 200:25 209:9,10 244:21 261:7 263:25

preparing 169:12

preponderance 55:4 60:21

preposition 135:20

presence 39:21

present 39:12,14,20 40:2 42:2 60:10 120:7, 11,12 182:8 207:9 208:17 259:6

presentation 121:25 122:3 221:19

presentations 96:9

presented 121:15,18 122:5 133:10 192:23

presently 151:18

preserved 41:24

president 261:4

press 223:6

pretty 81:10 110:19 152:15 184:17 248:18 257:16

prevent 212:16

previous 49:10 112:21 151:3 196:8 224:21 238:3 239:23 249:15

previously 81:23,24 123:16 139:11 156:5 166:13 173:23 201:22 226:9 227:15 241:18 256:7

price 45:14 86:10

primary 113:3

Pringle 40:25 41:1 52:6,9,10,13,16,21 53:1,6,7 60:24 65:4,5,

12 66:22 72:20.21 73:20 90:19,20 95:4,5, 6,10 97:21 100:15,22 104:10,11 132:6 135:4 136:25 137:1,3,5 138:4,12 153:4,6,7,19, 24 155:10,11,15,18,20 156:22 157:10,11 162:11,12,13 164:11 165:13,22,23 166:1 167:5,18 172:14,24,25 173:7,8,11 174:17 175:6 176:3,5,8 193:21,22 195:7 196:13,14 197:7 199:7 202:23 203:12 205:3 207:23 208:11 211:3,4 212:2,4 222:15 253:15 255:12 262:9 266:4 269:11,13,18

prior 64:6 104:22,23 117:23 193:25 203:14 215:5 218:4 235:21

privacy 42:3

private 43:5 86:17 142:7 231:6,9 236:13 240:20 252:23 253:1, 4,8 254:1,8,21 255:21 258:5

privately 61:5

privatization 62:11, 16,20 63:4,17

privatize 61:7 255:23 256:3

problem 42:5 43:1,17 67:13 95:17 113:10 153:23 157:11 177:14 215:9,11 238:22 242:2 246:16 251:19 267:8

problems 46:7 104:4 133:24 181:12 193:18 217:11 252:5

procedural 203:1

procedure 210:2

proceed 41:4 44:15 50:13 52:8 53:5 60:25 64:20 68:23 69:16

72:18 79:20 97:17 102:19 104:8 107:16 127:24 132:3,5,13 136:25 138:21 155:10 157:18 162:4 165:22 167:19 172:7,20,23 173:7 175:5 180:10 200:10 209:1,17 210:25 213:2 251:6 260:4 262:7,24 263:10 264:22

proceeded 131:19

proceeding 70:5 94:21 147:16 196:10 199:1 206:5 207:13

proceedings 103:6 209:4

proceeds 209:2

process 48:17 53:13 55:19 56:23 59:4,6 60:14 75:21 76:1 77:19,25 82:22 92:8 104:20 121:10 132:18 188:7,20 196:25 201:9,22 203:10 208:23 209:8 233:8 237:21 239:3 242:14 257:11

processes 265:14

profit 140:1

program 122:24

progress 113:20

prohibit 64:8 67:18, 23 252:10 258:5

prohibited 254:9 255:21

prohibitive 89:23

project 242:5 244:3,4 246:23,24,25 260:21 263:23

projected 213:15

projects 110:6 177:19 244:3

promote 46:21 47:18

56:19 62:25

promotes 63:4

promoting 62:24

prompted 206:17 215:6

promptly 134:20

promulgated 258:9

proper 201:9 203:18

properly 56:6,7

property 125:5 126:10 131:15

proportion 109:23 111:9

proposal 43:25 46:20 51:15 56:18 79:25 89:12 98:22,23 100:1 106:6 109:16 116:15 119:19 120:24 121:6, 14,22 144:9 147:1 194:2,5 196:7 212:19 238:19,20 240:22 249:8 251:18 265:10

proposals 60:10 98:8 120:11,13 176:2 190:25 193:23,25 194:15 205:4 206:14

propose 71:10 78:18, 21 82:2 99:9,13,15 115:3 136:7 143:11 154:2 198:5 241:2

proposed 43:12,23 44:6 46:18 48:4,5,9 49:23 56:16 65:24 66:6 80:8,10 82:1 97:2,6 98:17 100:10 143:25 147:22 160:12 170:17 175:17 177:7, 11 186:9 204:9 205:20 208:7 217:17 230:1 251:11

proposes 48:7 145:24

proposing 82:16 110:3 121:8 144:23 146:12,17 238:11 246:21 249:16

proposition 45:8,19 114:17,20 115:3 118:4 185:16

prospective 256:16

protecting 63:9

protection 46:10 61:22 83:2

protective 187:13

prove 104:18 148:21

provide 45:15,24 46:18,19,25 47:4,8,21 48:3 49:23 56:11,14, 16,17 57:21 93:1,2 94:6 112:2 116:5 122:10,22 123:12 134:6 135:9,21 148:5, 12,21 152:7 177:5 203:20 230:4 232:5 246:3 258:6

provided 45:10,22 70:13 74:19,23 86:23 89:11 132:15 143:6,17 144:3,7 150:17 151:12,24 185:21 193:3 209:12 244:20 245:1,3 257:3

provider 61:5 212:17

providing 78:12 125:12 127:20 129:1 149:10 153:15 218:18 267:1

provision 66:2 131:6

provisions 66:5 131:3 231:15

proxy 145:18

prudence 140:23

prudency 141:2

prudent 90:5

PSC 65:3 81:22 236:23

psc.mo.gov. 41:22

public 41:5.7 43:4 44:1,17 46:3,21 47:18 51:15 53:8,10,19,21, 24 54:7,12,13,15,17, 20,25 55:11 56:19 57:3,18 59:11,13,18 60:21 61:7,11,22 62:25 63:4,6,9 70:9 87:14,18 96:7,11 97:3 99:20,21 104:21,23,25 105:1,3,18,19,22 107:4,5 109:11 111:2, 3,5,6,10,25 112:12 121:16,19 122:5 133:5 137:13 141:1 149:18, 23 150:11 151:5.18 156:3 159:15 160:18, 22 166:11 173:21 174:23 198:12,13 199:10 230:3 231:1,8, 12,18 235:24 247:20 249:4 254:21 261:5

public's 47:20

pull 87:19 97:13 114:6 192:16 213:6 250:21

pulled 116:17 119:5

pump 216:18 247:11

pumping 247:18 248:11,17

purchase 45:2,21 47:5,14 55:12 62:9 75:9,14 77:2 122:9 123:2 133:17 142:3,5 212:20 255:14 256:16

purchased 94:5 146:11 195:2

purchases 140:14

purchasing 75:18 93:12 146:4

purpose 42:7 45:7 48:14 114:7,16 120:17 125:2 127:2 128:23 148:11 149:2 201:15

purposes 42:3 48:14 70:4 103:5 158:10,19 159:10 186:21 197:24 239:21 pursuant 131:3

pursue 140:7 188:9

purveyor 83:7

purview 252:19

push 85:14

put 52:3 58:5,9 89:14 114:20 117:10,16 150:22 206:10 209:13 225:11 231:1,6,12 235:23 268:13,17

putting 257:18

Q

qualified 45:7,11 46:17,25 56:14,16 114:16 216:8,10

quality 83:5

Quarter 239:19

question 44:2 45:11, 12 47:24 50:21 65:22 67:9,16,17,20 70:6 75:16 77:7 83:11 86:22 87:10 92:13,25 95:3,25 96:12 100:9 103:6 107:25 108:1 119:13,16 121:14,20 125:23 130:18 133:2 142:21 143:14 145:22 148:10 149:17 150:1, 18 151:1 152:11 158:11,20 159:1,9 160:3,19 161:4 163:2 168:6 176:2 179:19 180:8,11,13,14 181:25 182:25 184:22 185:22 187:14 188:7 191:14 197:2 202:20 208:6 212:3,5 216:6,13,22 232:10,11 233:4,7,22 235:5 237:19 240:14 241:22 243:20 244:19 246:7,17 247:13 248:7,8 251:11 253:25 255:6,12,15 257:2 265:5 266:2.8

questioned 89:15 205:14 206:1

questioning 89:17 207:1

questions 39:21 43:15 50:2,7,10,15 51:6 53:3 57:15 61:1 64:20,22,24 65:17,19 68:18,22 71:25 78:5,6, 8,10 79:20,22 80:4 90:12,14,15,17 94:9, 13,14 95:3,18,21 96:24 98:12 101:15 103:15 105:13 107:14, 21,22,24 108:4,10,11 112:4 114:2 127:9 130:11 131:25 132:1 134:1 135:13 137:22 141:3,6 142:17,20 151:9 152:22 153:2 154:21 156:14 157:17 161:9,10,11 162:2,3,6 164:11.14 166:22 167:21,22 169:4,6 172:6,8,11 174:9 175:9,10,11,19 176:24 191:5,9 193:12 195:16 201:23 202:4,10,22 204:8,19 205:4 209:4, 9,19,21 210:7 213:1 222:24 223:1,2,9 251:5,7 253:10,11 255:5,10 259:5 261:13 262:10,12,13,15,18 264:3 265:7 266:1,3 268:10 270:8,11

quick 50:20 99:3 136:8 153:6 171:4 251:7

quickly 109:6 247:22

quote 54:11,15 120:10 246:5

R

R-A-T-E-R-M-A-N-N 200:20

R-O-B-E-R-T-S-O-N 155:24

raise 56:7 69:13 102:16 136:22 140:16 155:7 165:19 173:3 200:2 259:25 263:7

raised 201:16,24 202:4,10,16 204:8 205:8 207:11,16,18 260:14

raises 204:3 246:17

raising 86:2 106:18 175:24

ramifications 168:3

range 93:25

rate 80:25 81:16,19,20 82:4,20,21,23 86:8 90:23,25 91:2 93:2 94:17,21 96:2,8,13,15 97:2,6 98:17,22,24 99:1 100:10,17 106:12,15,19,20,21, 22,24 109:18,21,24,25 110:1,9,11,12,13 111:22,23 121:2,6,11, 15,23 122:4 140:4,7,9, 10,13,18,21 144:10,24 145:12 147:12,14,16, 20 168:24 169:23 170:6 171:5,6,16,19, 21,24 196:4,5,8,9,22, 24 197:9 198:25 213:21,25 249:16,17, 22 250:2,18

ratepayers 47:11 168:5,8,19 245:10 249:6 252:21

Ratermann 105:11 198:6 199:17,19,21 200:1,2,9,14,17,19,25 204:8,18,19 205:4 206:13,25 208:5 209:10,24 210:7,14 211:1,5,25 212:5,11, 25 221:10,12 223:10, 17 240:8 241:15 242:23 243:18 251:4 253:9,24 259:5,13

Ratermann's 68:13 157:22 198:3 201:19

206:23 209:2,17 210:4,21 211:23 241:4 250:22

rates 71:11,12 79:25 80:8 81:6,25 82:16 85:21 86:2 93:12 94:16,20 95:11 98:9, 10 101:9 106:18,23 109:15,16,19 111:13 121:3,10,22 122:2 139:25 140:16 144:1, 4.9.13.15.17.21.23 145:9,16,20,25 146:2, 4,5,6,8,9,13,17,20,23 147:2,3,7,8,10,11,12, 14,17 168:23 171:18 196:8,9,19,21 197:8, 15 198:14 213:15,16, 22 245:9,23 246:1 248:23 249:1,8,10,17, 20 250:8 266:13

Rayfield 236:10

re-issued 239:6

reach 53:23 232:1

reached 149:2 196:24

reaching 189:8

read 107:6 114:13 127:8 148:2,16 181:24 220:25 221:2,3 232:3 246:10,11

reading 143:4 169:9, 11

readings 151:16

ready 44:24 53:4 68:23 91:13 101:25 164:21 167:17 172:20, 23 198:2 199:18 200:10 240:14

real 50:20 153:6 230:1,2 235:22 269:15

real-time 184:18 194:7

realization 58:11

reason 43:10 58:6 76:15 104:16 110:2

149:19 150:19 154:15 195:17 204:2 207:8 208:3 238:17,24 251:14 260:14 267:14 268:5 270:7

reasonable 63:16 182:16

reasoning 175:16 177:5

reasons 89:16 238:18

rebuttal 117:12,14 200:25 201:4 203:8 205:24 207:10,19,22 210:21 213:7 234:4 247:9,24 261:7,11 262:2 263:25 264:17

recall 42:21,24 51:7 77:4 127:17 130:19,21 135:24 164:16 195:12, 23,25 204:7 259:7,14

recalled 172:18 195:18 262:22

receive 58:25 65:13 73:16 149:9 151:4 189:19

received 60:6 72:17 79:15 82:11 94:16 96:21 100:4 104:2 112:6 117:21 138:19 146:16 157:6 167:15 175:3 210:23 222:21 241:12 262:5,21 264:20

receives 190:23

receiving 129:12,16, 17 130:6,7 150:14 160:15 224:16

recent 45:2 113:1 170:14 196:2,22,24 257:4

recess 101:21 136:8, 11 154:5 198:7 259:9

recited 52:19

recognize 98:13 116:21 recognizes 243:18

recollection 221:4 243:21 244:5

recommend 147:9, 13 152:5

recommendation

53:11,14 56:9 57:8,22 94:25 137:15 139:7 143:5 144:2 145:3 146:22 147:3,23 148:2,3 149:16,24 150:4,6 151:13 152:12 153:9 156:5 163:3,10, 13 166:13 173:23 196:19 197:3,23 198:15 233:5

recommended 57:5 144:20 160:12

recommending 149:21 196:21

recommends 146:4 150:19

reconvene 154:4

record 39:2 40:8,12 41:2 43:6 69:22 70:18 72:15 78:20 79:1,9 81:25 82:5,10 99:16 100:2 101:24 102:1 115:25 118:22 134:25 136:13,15 138:6,16,18 154:7,9 156:6,23 157:5 166:14 167:6 170:12 173:24 174:25 177:5 197:22,24 198:8,10 199:4,12 201:19,25 205:18 206:10,11 210:16,22 222:20 223:14 241:3, 10 257:1 258:15 259:10,12 261:22 264:12 270:20,21

records 129:11

recovery 140:23

recross 90:18,20 91:13,15 95:6 132:3,6 152:23 162:4,8 172:7 193:10 253:13,18 recs 95:14 207:24

red 214:19

redirect 91:24 92:4 95:23 101:6 132:11,14 153:5,7 162:11,13 172:13,14 193:20,22 205:5 208:6 253:21,23 266:19

redoing 82:22

reduce 109:19

reduced 271:7

reduction 107:1

refer 53:23 56:5,7 98:11 134:22 135:19 225:14 227:2 242:20 267:24

reference 71:2 82:3 169:13 199:5,12 226:25 228:5,7 242:21 250:14

referenced 62:24 233:24

references 68:4 78:20 121:23 171:12 181:24 228:14 258:20

referencing 189:10 234:14 258:16

referred 56:2 214:16 252:15

referring 68:6,8 87:9 185:10 205:19,22,23 223:13 234:10 235:6, 7.8

refers 54:10 121:21 224:7 227:3 267:10

refiled 267:16

reflected 96:2

refresh 221:4.12

refuse 67:21

regard 48:12,17 78:12 79:4 93:8 98:22 133:2 134:9 154:16 206:13,16 233:6 241:22 249:11 269:22

regarded 54:13

Regional 41:11,15 48:6 61:9 106:1 119:25 120:6 124:18 127:22 128:11,25 132:23 133:1 158:3 160:7 183:9 200:22 211:20 219:13,17 220:4,22 230:25 234:24 256:9

regionalization 75:10 237:8

regular 162:16

regulated 139:24 141:1 236:23 253:5 256:17

regulates 189:2

regulating 48:15

regulation 48:23 61:17 62:2,4,5 206:21 230:19,24 231:16 232:13 242:10 243:6,7 254:23 255:3

regulations 49:1,17 62:12,17 65:2,6 67:23 68:3,5,9 159:21 160:8 183:10 206:22 207:4 228:18 231:7 232:20 236:1 242:20 243:4,14 244:11 254:3,4,7,11, 16,19,22 255:3,8 258:4,7,9,13,21 269:24

regulatory 39:10 137:12 139:10 166:10 254:23

reject 211:13

rejoin 165:10

relate 176:24

related 65:24 78:17 121:7 132:16 159:3,4 271:8

relates 84:19 86:22 208:1

relating 158:22 205:12

relation 113:16 171:12

relationship 82:19 192:8,13 242:19

relative 271:10

release 112:20

relied 208:13

rely 41:23 90:8 134:10 135:10 212:1

remain 42:2,11,17,21 135:23 153:22 164:17 172:18 195:10 259:6 262:23

remaining 43:14 259:16

remedy 168:10,11

remember 92:8 105:14 110:9 132:18 255:11

remind 109:3 205:8 228:4 249:25

reminds 130:17

removal 186:11 188:24 217:7,8,10 228:19

removing 88:18

renegotiate 239:4

renewed 131:2 181:19

reorganize 136:8

repairs 104:17

repeat 40:1 75:16 128:15 141:21 196:14 212:2 248:7 255:4

rephrase 150:1 158:5

replacing 71:12

reply 240:4 269:8

report 113:7 158:9

159:7 181:25

reporter 51:16 104:4 137:7 155:22 166:5 173:15 200:7,18 221:7 243:8,9,10 251:9 260:10,13,16 263:17 271:1

represent 53:8 71:5

representation 237:18 242:17

representatives 105:9 119:25

represented 121:24 132:23

representing 40:3 108:21 129:7

represents 121:24 127:10 129:8

request 53:12 62:21 63:13 64:17 67:17 77:15 117:11,16,18 118:2 165:7 168:14 195:17 219:16 220:10 238:19 251:14,18 270:3

requested 63:13,15 67:12 149:17 160:17, 21 164:6 202:12 252:8

requests 45:23 63:15 64:17

require 48:20 64:1,4, 12 65:2 82:14 107:4,5 126:21 133:4 148:3 151:24 183:10 185:2, 14 190:6,8 228:19 231:1 252:24 258:5

required 56:8 68:1 113:8,12 143:17,23 148:7 152:7,8 179:12 183:3,14 186:5 188:2 196:19 226:19 231:12 235:23 236:2,3,4 251:15

requirement 55:20 65:24 148:11 233:5 258:4 requirements 54:1 55:18 56:4 85:21 86:2

requires 66:3 217:7,9

requiring 66:1 126:13 149:2 160:20

requisite 57:19

research 156:2 230:23

residences 93:25 232:15

residential 99:5 106:18 109:18 125:18 126:17 227:21

residents 46:23 109:20 125:13 127:21 129:15 131:18 151:25 152:8 252:21

resolution 196:25 219:9

resolve 49:16 196:4 246:6

resolved 49:18 209:20 219:12 233:11

Resource 244:10

resources 46:9 49:20 58:1,3,14,15,17,22 59:9,17,20 62:14 63:8 73:19 162:22,25 185:8 216:3 239:4 241:21 247:4 253:6 265:14

respect 47:16 185:9

respectfully 64:16

respond 201:6,16 202:8 203:5 204:4 205:16 206:2 207:15

responded 209:5 257:2

response 57:8 95:25 168:14 249:11 253:25 255:15

responsible 48:18 49:3 200:6

rest 109:24 151:6

restate 110:7 161:3

restated 144:4

restating 85:19

rests 54:25 55:1

result 46:5,7 50:25 55:10 63:7 148:7 149:2 163:21

resulted 177:19

resulting 86:9 177:21

results 119:5 135:19 136:2

resume 102:1 217:24

retired 220:3

return 39:18

revenue 96:13 110:6

revenues 96:20 168:24

reverse 202:1

review 55:16 56:23 98:7 130:22 147:2 162:24 163:21 171:4 185:15 188:2,11,14,18 190:6,9 203:14 241:24 242:1,8

reviewed 55:16 57:16 59:23 60:12 145:11 159:3 241:16 242:11

reviewing 55:23 95:11 159:2 162:15 216:3 265:18

reviews 59:2

revised 61:16 171:20 239:13 258:14

revision 204:2

revisit 52:25

revived 258:13

revolved 237:8

revolving 217:17

RFP 132:18 246:10

RFPS 119:21

Richardson 215:2 216:17 217:4,7 234:25 239:10,14 240:19

rid 125:4 235:17 252:7

rights 58:10

rises 135:7

roadblocks 190:24

roads 236:3

Robertson 57:14 154:5 155:1,2,5,16,19, 23,25 156:4,9,21 157:21 161:3,10 162:14 163:12 164:15, 19 201:6

Robertson's 154:11 157:3.9

Robinson 164:10

Rocheport 256:8

Rocky 91:18 214:16, 20 236:9 237:25 238:12 239:14 240:23 247:13

role 84:13 139:10

room 260:21

rough 96:14

roughly 96:22

round 203:3,11

rounding 101:11

rounds 203:2

route 240:20

RSMO 53:17

RT3.1 171:20

rule 53:25 54:3 58:18, 23 60:15 242:10

rules 54:4 55:19 56:24 58:1,19 59:12

run 55:25 110:4 172:3

212:13

running 232:24

runs 234:1 247:23

Rupp 39:13 50:12 65:18

rural 236:4

Ryan 39:12

S

S-T-E-P-H-E-N 260:12

200.12

S-T-I-T-H 263:19

SA-2021-0017 39:5 102:2 136:15 154:9 198:11 259:12

safe 47:1,8 149:11

safely 43:21

sailed 99:25

sale 113:23 114:8,22 117:6,18 119:18,24 120:3,18 133:3 202:13 212:16 254:18

sanitary 62:1 68:9 230:4 258:12

Sanitation 236:24 237:3

satisfied 47:20 143:5

scale 93:8 228:23

schedule 68:15 86:14 88:5 114:1 117:14 122:8 142:23 161:13 181:23 192:3,4,5,6,8, 9,16 203:1 207:4 213:6,8 214:2 215:12, 13 217:6,8 229:16 234:18 239:7,17,20 242:3 250:22

scheduled 269:14

schedules 68:13 76:6 192:13 206:23 207:12 267:11,12,22

268:2.5.17

Scott 39:13

screen 40:15 97:25 155:2 164:22 199:23 243:11 259:20

scroll 224:8

scrolling 128:3

secondary 71:14

section 45:10 46:11 53:17 60:15 61:12 66:3 83:2 216:17

secure 179:9,15 186:1

securing 178:8

seek 64:10 188:8

seeking 55:20 218:13

seeks 61:5

selected 79:19 184:7

selecting 77:17,25

sell 45:8 55:14 62:7 104:14,19 107:10 114:17 115:1,7,9,14 120:20 133:13.14 135:20 238:19 255:13

selling 60:8 178:25

sells 217:12

send 44:20 69:3 116:9 123:25 223:7

senior 70:2 166:10

sense 202:19 227:24 233:7

sentence 127:8 181:24

separate 122:18 133:4 140:11 192:25 223:24

September 113:12 117:16 118:2 181:17 239:24 240:3,11 241:9

serve 56:4 74:6 83:21

108:15 111:1 211:8 221:22,23 231:17 232:14 239:15

served 47:22 54:18 72:24 93:19 109:23 225:3,12 226:5,10 230:2 239:21

server 139:12

serves 61:10 83:12 216:2

service 45:16,24 46:3,17,18,19,21,22, 25 47:1,2,4,9,21 48:4 49:23 53:9,10,19,21, 24 54:2,7,10,21,25 56:11,14,15,16,18,19 57:3,18 59:5,11,14,18 60:22 61:25 63:21 68:11 74:21 78:12 127:20 129:13,16,17 130:6,8 137:13 140:19,20 141:1 144:4 147:24 148:5,12 149:1,7,9,10,14,16,18, 20,23 150:14 151:4,24 152:7 153:16 156:3 158:6,15 159:3,14 160:18,22,23 161:5 166:11 173:21 212:17 215:2 216:19,24 230:4,11 232:5 247:20

serviced 226:11

258:7

serving 75:3 237:10

set 39:4 85:13 87:16. 17 90:3 107:6 147:16 164:23 187:5 191:13 203:1,2,7

sets 149:13 254:3

45:3,24 46:1,23 47:5, 14,21 48:3,6 49:7,23

54:2 55:9,14 57:2 58:5 59:5,22 60:5,9,20

sewer 39:9 41:11.15

61:9,11 62:1 65:2 68:9 72:24 73:16 75:10

81:21 82:4 83:7,12,18 84:1,4 85:1 86:6 89:13

104:15 106:1 109:9 110:18,19 111:4,13,

22,23 112:1 113:23

118:9 119:25 120:20

123:12 124:18 126:13

162:14 183:9 189:20

200:22 207:19 211:7,

19,20 216:23 219:13,

225:13,16,17 226:5,18

232:7,17,18,25 233:15

236:1,2,7,21 237:2,3,4

239:19 242:4 243:21

246:1 249:20 252:12,

244:8 245:7,21,25

13,19,23 253:7

258:20 264:11

sewers 231:1,18

235:24 258:12

share 115:22 194:22

shared 208:4 237:13

sheets 169:11,12

shifting 269:20

171:3

255:20.21.24.25

256:4,9,17 257:23

20 212:9 214:13,15,

17 220:4,22 224:17

227:3,7 228:22,24

230:3,4,5,7,15,25

231:5,6,7,8,9,12

234:24 235:9,20

127:20,23 128:11

129:1,18 130:6 132:23 133:1,13,17,18 137:13

139:1,11,21 141:20,24

144:4,23 149:6 154:17

158:3,14 159:15 160:7

93:1 111:2,5,6 126:13

250:8

services 61:5 75:10 83:19 123:12 224:16

session 86:17 120:2,

17

sheet 70:13,15,23 71:3,5 72:8,14 171:20, 24 215:1

sewage 47:2 49:4

ship 99:25

short 94:12 101:18,20

shot 203:7

shoulders 155:12

show 120:12 139:22 244:7

shown 131:1 169:21

shows 55:5 88:25

shy 198:4

side 262:17

sign 102:5

signatory 123:6 124:13 128:5 224:10

signature 224:9

signed 123:3 224:9, 12

significant 152:15 215:24 216:4

significantly 204:16

signing 55:12 225:8

silence 41:25 223:4

Silver 74:7,22 75:4 79:5 93:18 128:10 129:13,16 130:5 131:9,10,11,12,14 147:24 151:25 160:14 223:12 224:11,12,19 226:8,15,19 227:4,11 228:8 229:24 230:10

Silvey 39:12 50:4,6,9 65:1,2,4,9,15

231:24 232:5,22 233:7

similar 94:2 96:17 137:23,24 144:16 156:15,16 174:11

simplicity 267:15

simplify 242:23 268:4

simply 52:19 67:17 84:10 115:7 148:12 149:14 153:13 260:20 simultaneously 218:16

single 204:13 208:22 266:2

single-family 227:22 228:14

sir 50:22 51:21 69:8, 13 74:2 90:11 91:9,10, 16 100:21 102:15 103:4,17,20 104:13 112:10 124:14 128:2, 6,15 132:19 133:25 136:18,24 139:2 153:18 155:7,9 161:16 164:16 165:9,19 170:18 173:4,6 179:22 180:11 200:3 213:6 248:1 259:25 260:2 263:2,9 265:8

site 178:24

sitting 119:7 183:20

situated 252:7

situation 47:8 86:4 140:3 146:2 178:2,12 179:2 188:17 191:16 209:11 232:21 256:16, 19,21,23 257:24,25 258:6

situations 190:24

sketch 243:24

slight 101:11

slightly 88:22 96:18 128:18 144:16,17,18

slow 266:8

small 81:20 121:11 139:1,12,21,24 222:7

smaller 81:21 88:22 237:16

software 43:4

soil 187:6

solely 134:10 146:10

solicited 117:20

soliciting 118:3

solution 67:24 68:2 76:12,16,25 77:1,10, 17 85:6 168:9,12 177:11 179:18 180:3 184:8 186:9 189:15 194:12

solutions 175:16 177:6

solve 238:21 246:16

someone's 243:11

sort 93:9 132:17 140:1 168:17 179:8 203:8

sought 205:11 258:10

sound 102:14 104:4 258:7 268:4

sounded 65:16 178:23

sounds 84:7 134:20 188:9 189:25 202:2 207:25 237:14 242:10

source 157:10

south 181:15 182:23

speak 39:19 43:10,19 44:9,10 64:23 65:21 69:8 75:7 78:8 90:14 105:12,16,18 106:5 121:9 136:19 144:25 155:3 159:21 164:25 169:5 182:20 199:20 223:3 260:17,20

speaking 42:1 51:17 146:2 187:12 192:17 195:25 263:3

speaks 164:24 262:17

special 189:19

specific 53:20 140:10 189:3 202:6 204:14 222:3 242:12 265:10

specifically 58:1 63:22 86:16 88:18 114:8 115:13

specifications 227:6

specifics 182:20

spell 137:6 155:21 166:4 173:14 200:18 260:10 263:17

spelled 137:8

sponsored 139:7

spot 199:25

spotted 155:2

spray 177:9 178:8 179:9,17,20 180:3,15 194:23 251:21

spread 86:7,9

spring 251:25 252:2,3

stable 146:13

staff 40:24 41:1 48:5 49:24 50:14 53:5,8,11 54:22 55:15,16,19,21 56:9,13,21,24 57:4,8, 13,15,17 59:21,23,25 60:17 61:2 64:21 65:5 66:20 68:19 72:19 84:22 90:9,18 93:16 95:2,14 100:13 104:9 132:5 136:5 137:16 138:5,13 140:12 143:5,12,13 144:5,11, 20 145:1,2,10 146:4, 22,25 147:1,9,22 148:5,14 149:5,12,21 150:19 151:5,6,14 152:1,5,15 156:6,9,22 157:4 158:1,9,13 159:3,11,24 160:7,11, 12,19 161:5 162:15,23 163:10 166:11,14,17, 23 167:5 168:6,14,17 169:8 172:13 173:24 174:2,17,18,21,22 176:3 177:7 179:5 181:2 182:3 193:20 194:1 196:11,20 197:3,11 198:17,18 199:7 202:18 205:14 206:7 207:24 211:2 216:9 253:14,15

262:8,9 264:23,24

266:3 267:6,15

Staff's 53:14 56:21 57:10,21 59:7 136:9, 16 137:15 138:14,17 139:7 143:5,10 144:2 146:9 147:23 148:2 149:15,24 150:5 152:3,12 156:5 157:2 158:23 159:7 160:5,16 162:23 163:3,13,21 166:13 173:23 196:7, 18 197:8,23 198:1,14 204:10 233:4

stand 42:23 172:17

standard 53:19 54:21,22 55:19

standards 83:9 189:8

standing 47:7 113:19

stands 187:15

Star 131:10

star-6 223:6

start 68:23 72:19 85:15 90:18 100:13 101:22 124:9 136:16 150:20 175:8 180:13 198:6 208:17 211:1 218:6 221:10 233:8 251:25 252:3 260:15 262:8

started 39:23 41:17 43:18 44:21 68:24 92:1 136:5,7,9,16 154:10 155:1 181:3 198:2 199:15 216:16 253:24

starting 87:5 106:11 138:22 142:22 154:1

starts 42:5 127:25 213:21 220:21 224:1 248:6

state 46:6 61:13,16,21 62:1,15 69:21 83:9 102:24 137:6 155:21 158:20 166:4 173:14 177:20 187:3,7,10,23 189:21 197:6 200:18

217:17 229:16 243:3, 6,7,14 245:21 254:4 255:3 260:10 263:17 271:3

stated 54:8 59:1 60:2 81:11 82:20 85:6 100:16 144:6 145:9 169:24 187:24 222:2, 4,6 247:15 248:22

statement 48:7 50:14 51:23 53:3,5 57:9 63:19 79:24 87:14 112:8 113:2 157:22 182:9 234:11 235:4 248:8

statements 43:22 44:16,25 50:3 82:25 85:18 134:10 197:22

states 59:7 219:11 248:10

statewide 86:8

station 216:18,19,23 217:5,9 235:1 239:9, 14 240:19

stations 247:11

status 113:16 231:3

statute 53:17,20,22 56:24 61:12,16 66:2, 11 67:6,8

statutes 58:20 258:23

step 45:2 49:19

Stephen 260:7,11 261:4,7

stepped 86:11

steps 119:23 120:1 196:3

sticking 60:14

stipulate 196:10 197:5,7,10,14,19 198:17

stipulation 196:2,6, 23 197:12,16 198:14, 19.23 **Stith** 263:4,5,6,13,16, 18,25 264:10 265:6 266:3,10,20,23

Stith's 117:14 264:16

stop 96:3

storage 63:23 113:11 194:25 247:19 248:11 251:23,24

story 208:10

straight 98:4

strategy 237:14

streamed 41:21,23

streams 252:16,19

stressed 77:18

striking 71:15

strive 134:15

structural 56:3

structure 82:23 108:19 122:4

structures 126:15

studies 143:23

study 47:5 80:5,7,12, 18,23,24 81:13,17 82:20 84:17 139:20 140:2 143:17 144:8,12 145:6,8,14,19 168:2, 13 169:18,22,25 171:12,17 213:16 250:18 251:17

stuff 95:11

styled 45:5

subdivision 61:13 74:7 75:5 79:5 93:19 124:20,24 125:15 127:13,21 128:10 129:14 130:5 224:6 225:13 226:11 227:4, 11,12,16,17 228:10 229:25 230:8,19,24 232:15 235:25 244:11

subdivisions 74:18,

22 78:13 93:19,21 94:7 123:13 147:25 149:1 150:15 151:25 152:8 160:14 223:12 227:21,25 246:13

subheading 219:8

subject 48:4 49:23 164:16 195:23 254:11, 15,21

submit 60:5 113:7 183:10

submits 63:15

submitted 59:23 60:17 84:17 106:2 168:2 169:22 241:24

submitting 45:7 64:6,8 114:16

subsequent 196:3

Subsequently 267:21

substance 192:7

substantially 137:23 156:15 166:24 174:11

successful 189:8

sufficient 54:5,14 140:1 228:20 232:18

suggest 101:19

suggestion 198:21 199:9

summarize 237:13

summarizing 247:10

summation 244:3

summer 251:25 252:2

Sunny 228:8

Sunnyslope 74:7,21 75:4 79:1 93:18 124:19,24 125:3,22 127:21,23 130:7,9 131:12,17 147:25 151:25 160:14 223:12 224:7,17,25 225:2,3,

12 226:5 227:16,19 228:1,17 229:4,5 231:24 232:6,12,17,19 233:6 236:15

supervising 84:14

supplement 201:10

Supply 151:5,18

support 47:17 51:15 63:2 152:1,3 218:15, 18 219:4,12 220:6,11

suppose 88:8 125:12

supposed 87:16 130:20 203:6 251:21 252:4

surrebuttal 70:5 71:6 76:7,24 156:8,12 157:3 166:16,20 167:11 168:1 174:2,3, 7 175:18 177:4 192:4 193:24 201:14 202:5, 16,18 203:17 204:3, 10,15,16 206:1,14 207:12,16 267:9

surrebuttals 203:8

suspect 87:12

sustainable 56:1

Swearengen 40:8

sworn 69:12,14,19 102:17,21 136:22,23 137:2 155:8,16 165:20,24 173:5,9 199:20 200:4,14 260:1,7 263:8,13 271:5

system 39:9 43:14 45:3,9,25 46:23 47:14 49:7,14 55:9,14,23,25 56:6,8 57:2 58:5 59:22 60:4,5,9,20 61:8 62:3, 6,7,9,16,20 63:18 64:10,13,15 65:3,10 67:19,25 74:6 75:9,14, 18 76:18 77:10,17 80:8 83:1,8,22 84:2,4, 20 85:2,4,10 86:1,6 88:17,22,25 91:18 94:6 104:15.17.19 109:9.18 110:3 112:8 113:2,6,16,23 114:18 115:2,7,10,14 118:9 119:20 120:3,20 125:3 129:18 130:6 133:13, 17,18 135:20 139:1,3, 21,24,25 140:10,13, 15,16,22 141:10,19, 20,23,24,25 142:4,5,6, 9,11,13 143:21 144:1, 15 145:25 146:3,7,12, 13.18 148:20 151:20 154:17 163:25 168:5, 10,23 177:6 179:6,13, 25 181:7 183:2,16,17, 22,23 184:1,8,13,16, 18 185:13,14,23 186:17,20,25 187:3,4, 5,8,9,25 188:1,2 189:3,4,7,13 190:22 191:12,16,17,21,23 193:25 194:2,4,13 204:9 206:15 211:16, 18 212:6,13,20 217:13 224:17 225:13 226:18 227:5 229:4,7,17 230:11,15 231:13 232:19 238:9,20 245:7 246:4,9 248:24 249:14 251:17,21 252:11 254:14,18,21 255:13, 15,16 256:3,9,14,16 257:25 258:1,5 265:11,16 266:16

system's 48:13 64:6 147:7,8

system-by-system 140:7

system-specific 140:17

systems 49:5,12 56:1 73:7 81:21 84:1,8,14 139:12,24 212:17 231:8,9,10 237:15,16 253:2 255:20,21 256:7,12 258:20

Т

T-O-M 200:19

table 209:16

tactical 47:13

takes 188:20

taking 60:17 101:12 148:20 204:13 227:18 256:23 262:16

talk 43:18 152:16 161:13 169:17 245:6 270:14

talked 135:17 216:24 217:2 225:1 238:24 242:6

talking 87:7 88:5 98:8 124:9 138:11 180:25 213:17 216:16 224:5 233:23 236:10 244:23, 25 268:10

talks 237:24

tally 52:1 269:5

tariff 82:1 144:15 146:4 147:3,13 169:11,12 170:6,25 171:18,19,20,24

tariffs 144:2 169:9

Tartan 46:14 47:16 56:13,22 57:20 62:23

Teal 76:17 77:8

technical 55:24 56:2 232:16

technology 186:11 187:19 188:25 189:5, 20 190:20

tedium 124:4

telephone 41:18 223:3

telling 148:13

tender 62:6 72:9 103:22 209:18 **term** 49:2 57:23 118:7 130:19,25 131:2 221:20,21,24 242:24 243:18

terminate 42:3

terminated 131:3

terminology 88:1 248:17

terms 45:15,17 67:8 76:22 94:20 96:13,20 148:12 152:2,10 158:15 168:18 182:5, 14.18 190:5

territories 222:4

territory 222:4,5 258:24

testified 76:24 93:1 168:2 226:9 257:10,18 258:3,22

testifies 69:19 102:21 137:2 155:16 165:24 173:9 200:14 260:7 263:13

testifying 103:2 180:6

testimony 42:11,22 52:22,25 68:14 70:5,8, 20 71:6,9,15,23 72:14 76:7,24 77:5 78:11,20 79:10,24 80:6 82:3,15, 24,25 85:6,18,24 87:1 89:11,18 93:24 94:4 100:12 101:22 102:3 103:6,9,13 110:8 112:6,7,25 113:2,25 117:9,12,14 118:6,13, 14 120:9 122:9,14,19 130:4 137:19 138:11 142:22,23 143:10,24 144:8 146:17 147:9 151:3 153:25 154:11 156:9,12 157:3,22 158:8 160:10 161:13 163:8 164:15 166:17, 20 167:10,11 168:1 172:4,17 174:2,4,7,22 175:18 177:4 178:7

184:22 187:18 188:9 190:4 192:4,9 193:5, 24 194:19 195:9 198:3 200:25 201:4,10,14, 16,17,20,24,25 202:16,18 203:2,4,11, 14,15,24 204:1 205:1, 25 206:23 207:12,22 209:1,2,17 210:4,21 213:7 224:21 225:20, 25 233:17,21 234:4 235:16 237:20 238:8 240:17 241:4.17.20.23 245:6,11 246:3 247:9, 23,24 248:10,21 249:7,15,21 250:11, 13,22 254:13 258:8 259:13,18 261:7,11 262:2,20 263:25 264:17 265:8 267:1, 21,23 268:13 269:23 271:4,6

thanked 259:13

then-city 114:9 133:10

theory 184:11,15

there"s 182:14

thereon 45:12

thereto 271:12

thing 69:12 78:9 79:23 93:9 101:4 118:18 131:18 191:6, 25 192:23 201:18 208:22 224:6 247:4

things 43:9 88:18 236:19 242:5 244:1 270:13

thinking 110:6

thinks 87:22

thought 119:10,13 121:9 152:13 175:23 176:12 226:9 262:25 268:16

thousand 81:8,9 91:3,4 106:25 107:1 250:9 three-cell 184:13

throw 191:19

tier 219:14,18,20 220:6 222:3

tight 110:4

time 39:3,4 42:13 43:10,15 48:14 49:25 50:8,10 51:10 59:4 71:8 72:7 73:21 77:20 80:1 82:17 83:19 84:3 85:8 90:17 92:10 97:8 107:6,13 108:5,6 112:12,23 125:6 127:21,23 130:8 132:21 133:21,25 138:5 140:12 141:4 145:25 146:18 152:23 153:25 154:5 156:12 161:1 162:3 164:8 166:20 168:22 169:2 170:9,19 174:7,17 176:19 179:3,5 180:6 181:1 183:19 184:24 191:2,20 195:10,18 196:15 202:20 203:1 205:21 206:4 207:1 208:18 210:15 220:17 222:9,24 229:9 236:13 237:6,7 238:11 239:1 242:12 249:9 250:25 252:22 256:15,19 259:2 261:21 262:10,

timeline 117:1,25 134:19

16 264:11

times 132:15,23 139:18

Timothy 40:10

title 70:2 114:11,13

TMNF 55:25 56:1,10 57:20

today 39:3,13,14,17, 21 40:2 41:20,24 42:1, 5,9,10 44:4 52:25 53:9 55:22 57:13,24 60:4 70:20 72:1 79:10 82:3, 15 92:19 93:22 100:12 102:1 103:2,16 110:11 118:21 119:1,7,16 120:23 130:4 135:23 137:24 143:24 144:25 145:2 150:17 151:7 152:18 153:24 154:9 156:16 160:10 164:15 165:1 166:24 169:2 172:17,19 174:10 183:20 195:9,16,22 197:22 207:13 209:9 210:8 214:22 215:2,16 216:20,25 218:11 249:7,16 256:18 259:6 261:14 262:21 264:5

told 182:3 227:15 231:11 232:11 239:25

266:23 267:1 269:23

Tom 200:14,19,25

tools 53:23

top 73:2 91:6 99:22 105:14 116:15 124:10 125:24 130:21 213:20 214:5,9,25 218:25 220:21

topics 207:2

toss 152:17

total 96:13 128:22 213:25

totally 42:16

TR-1 68:15 213:6 234:19 237:21 251:1 257:5 258:17

TR-5 214:2 239:17

TR1 213:8

track 136:3

Trail 236:12

transaction 47:10 96:4 149:14 150:3 206:7

transcript 134:10

transcripts 269:5

transfer 48:2 255:22

transport 89:13 90:7 91:17 238:12

transported 89:18

transporting 89:20

Travis 41:1 53:7 65:5

treat 133:20 268:3

treated 93:20 175:21, 22 177:20

treating 88:20

treatment 48:17,21, 23 73:4 74:17 76:14 77:25 85:12 89:1,2 90:1 91:18 94:6 106:13 129:1 141:10, 13 164:1 186:25 187:9,25 189:2 202:17 207:6,20 211:10 214:17,21 228:20 232:19 233:19 234:12 235:15,18,20,24 236:8,9 237:9,15,25 238:25 239:16 245:9 246:4,8 247:13 256:6, 9,14

tributary 245:16

triple 86:25

triple-point 88:17 186:10 187:19 188:24 189:4,5,7,14 190:5,20

trouble 42:6 51:17

troubled 139:3

true 66:15 72:4 90:25 103:18 138:1 140:21 156:18 167:1 174:5,13 177:8 187:11 210:11 261:17 264:7

Trustees 232:7

turn 163:13 214:2

turned 182:6

Twenty-one 211:12

two's 219:18

two-year 66:2,10

type 48:23 76:14 85:11 88:21 89:6 256:19 257:25

types 93:11

typewriting 271:7

typical 99:4 100:19 146:14,15

typically 52:3 83:9 147:8,9 191:15,19 209:2 242:1

U

Uh-huh 91:11

Uh-oh 172:24

ultimate 178:1

ultimately 48:24 94:4 101:10 140:14 147:1 149:10 152:7

unable 62:10 115:21 131:15 179:15,19 180:4 184:25 185:25

unconventional 209:6

undergraduate 161:17

underneath 87:4

understand 42:4 50:4 53:13 66:5 80:6 87:1,4,8 121:24 130:14 144:14 147:9 150:1 169:18 180:22 184:21 186:22 195:15 217:15 229:20 231:21 241:4 249:3,8 254:13 255:17 267:18 270:1

understanding

57:21 70:8 73:10,14 76:8 78:13 80:11 84:17 88:19 89:4 93:24 94:2 96:23 99:14 103:9,11 112:17 113:15,17 115:2,5,8, 15 120:19 121:6 125:3 127:22 130:9 132:22, 25 133:8 141:12,17,25 143:4,16,18 145:12 146:19 153:14 154:18 159:1 169:25 170:3,5 171:6,23 172:1 178:22 181:8,10,11,14 186:24 189:18 190:13 191:15 196:7,20 197:8 227:8, 18 230:9 240:24 241:21 267:12

understands 145:5

understood 67:10

underway 98:10 101:25

undisputedly 61:8

unfair 203:15

unincorporated 75:4 141:11,16 159:19,25 164:2,7 219:19 221:20,23 222:6

unique 63:1

unit 127:10 129:8

units 127:11,13 129:8 228:7

unknown 77:18 92:22

unlike 86:4

unmute 165:6,7 169:3 223:6 266:8

unrealistic 89:14

unregulated 139:25

unsuccessful 186:6

unsuitable 148:21

unsure 184:23

unusual 61:4

unwilling 62:9

update 51:25

updated 150:13

updating 125:4

upgrade 85:1 86:1

190:21 206:14 265:10

upgrades 85:10,20 104:17 125:6 189:23 204:9,14 265:21,23

upstream 245:7

urgent 84:25

usage 96:18 101:13 110:16,20,23 111:14 151:19 250:9

user 100:19 213:16 250:8,18

utilities 46:13 60:7 106:2 119:24 120:6,10

utility 55:17,20 56:14 73:16 141:1 166:10

utility's 55:22

utilized 96:8

utilizing 45:25 88:21

٧

vague 87:19

valid 63:24

Varnon 245:14,15,16, 25

verify 79:18 136:2 213:23 225:6

verifying 85:5

version 192:18 240:18,21 257:4

versions 174:24

versus 159:13

veto 48:12

viability 89:15

viable 77:10 179:10, 18,21 180:4,17 183:16 184:2,20 186:3 190:21,25

video 41:18 42:1,3,6, 7,10,11,12,17 69:3,6 102:10 199:20 211:25

videoconference 43:5

viewed 66:19 141:2

views 85:1

village 256:13

violation 46:6 112:10 148:8

violations 46:4,24 246:6.8

virtually 209:12

vis-`-vis 202:12

visible 42:11

vision 239:21

visually 199:23

voice 192:2 260:16,21

voices 98:4

volleyed 206:9

volume 90:6

volumemetric 96:15

volumetric 96:2 101:13 145:12 151:20 171:8 249:17

volumetrics 249:20

vote 47:23 50:23,24 52:1,10,11 55:11 60:8 61:12 107:4,5,6,12 108:25 109:1 118:22 119:17 133:4 135:19 154:16 269:5

voted 120:19

voter-approved

61:14 158:15 258:24

voters 45:7,12 114:8, 16,21 115:4,8 118:4 119:18 120:19,21 159:14 258:23

votes 45:11,18 118:23

voting 45:12

W

W-I-L-L-I-A-M-S 173:17

Wagon 236:12

waiting 109:6 262:19

waive 44:18

waivers 58:17

walked 188:6

wanted 44:14 50:5 65:22 66:4 78:9 83:12 85:17,25 90:21 95:13, 15 101:3 108:5.9 114:1 115:1 116:20 117:1,25 119:14 120:8,12,20 121:2 122:7 123:10 130:18 132:1 145:4 151:1,20 154:11 172:3 175:19 176:25 191:6,10,25 192:7 193:1 194:17, 19,22 202:14,16 207:9 223:10 230:2 235:14 238:21 241:15 242:18 245:10 246:2 247:8 267:4 269:21 270:7

ward 108:22

wards 108:21

warning 102:5

warrant 54:14

waste 89:14 93:20 94:7 187:1 238:12 240:23 252:17

wastewater 45:9
61:5,7,21 62:3 64:14
73:4,6 74:18 76:11
89:2,17,20 90:6 91:17,
18 99:5 109:10 114:18
115:7 119:24 141:10,
13 142:4 164:1 177:20
186:25 187:2,9,25
189:2 211:10 214:17,
21 215:9 231:10
233:19 234:11 235:1,
15,18 236:9 238:20,25

245:9 247:12 251:16 252:13 253:2,5,8 256:6,8,14

watch 113:17

water 39:6 40:5,9,10, 11 45:9,13 46:6,10 47:1 49:9,10 53:12 54:23 55:1,4,7,13 56:10,22 57:1,7,19 58:4,9,24 59:10,14 60:7,13 61:18 67:20 70:1 72:25 73:5.9 75:22 76:6 83:2,5,7,22 91:3 94:18 98:23 99:5 105:6,12,19,25 106:4 110:16,18,20,23,24 111:2,3,5,6,10,11,13, 14,25 114:18 115:6 120:5 137:12 139:11, 12,21 151:4,5,12,15, 16,18 158:25 162:14 163:5,22 187:6,7 194:15 208:4 212:23 215:16,22 216:1,7,10 219:15,18,20 222:2 236:4,5 241:19 243:23 244:6,23 245:19 250:8 251:25 252:7 257:15, 17,22 258:11

Water's 57:6,12,16, 17 58:7 60:2,18 106:9 121:19 211:14

waters 46:6 61:21 177:20 187:3,7,10,23 245:20

watershed 245:15, 16,22

Webex 43:3

website 41:21 119:7

Wednesday 197:1 199:6

weigh 205:9

weight 55:5

welfare 54:13

well-established

197:23

west 239:18

wet 251:20

Whiteside 132:21,22, 25 133:11

wholesale 153:16

William 39:13

Williams 41:6,10 42:4 44:3,5,10,17 57:14 143:13 172:21,22 173:3,9,12,16,17,18, 22 174:2,14,16,23 177:3 180:23 191:7 193:23 194:18 195:3, 6,10 197:25 198:11, 16,17 199:2 201:6 203:19,21 252:14

Williams' 175:18

willingly 131:18

winter 252:3,7

wishes 47:14 62:5

witnesses 42:10,15, 21 43:1,2,23 44:2 57:13 68:23 135:17,23 136:9,16 153:22 198:1,2 199:15 259:16 262:23 266:25 271:6

wondered 248:24

wondering 66:1 134:3

word 71:15,18,21 146:15

words 67:7 71:11 89:14 203:25

work 70:14,19,20 101:20 106:11 126:23 134:18 154:3 161:14 168:14 180:17 182:24 226:1,18,25 227:8 253:1

worked 74:24 140:8 169:19 230:6 233:11

working 74:16,25 85:5 178:17 202:25 242:5 **works** 109:11 112:12 236:7 252:25 269:15

worth 81:19

WR-2020-0344

198:20 199:1,7 268:24

wrap 172:19

wrapped 270:14

writer 253:3

writing 70:19

written 182:4,15 201:25 247:17

wrong 100:8 145:12 250:4

wrote 250:4

WWTF 214:10 216:18,19,23 217:5

Υ

Y-O-U-N-G 166:7

year 111:14,22,23 139:18 181:5 213:24 220:4 251:22

years 45:15 46:8 47:6 64:2 65:25 66:4 76:21 85:14 130:25 131:3 139:17,18,22 180:23 181:9,12 203:22 211:19 212:7 227:20 234:17 235:10 246:25 251:20

yellow 214:6,12

yesterday 70:14 198:19 208:5

you-all 69:5 101:22 108:25

Young 57:14 145:10 164:21,22,25 165:2, 12,16,24 166:2,6,8,12, 17 167:4 168:1 169:7 172:16

Young's 167:10

Ζ

zoning 230:19,23 235:25 236:17,18 244:11