

**In The Matter Of:**  
*Wichita County, KS LEMA Hearing*

---

*January 13, 2026*

---

*Advanced Court Reporting Services  
Lee Ann Bates, CSR, RPR, CRR  
P. O. Box 1872  
Hutchinson, KS 67504-1872  
620-664-7230*

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

WICHITA COUNTY, KANSAS LEMA HEARING

In the Matter of the Proposed  
Wichita County Local Enhanced Management Area  
in Wichita County, Kansas

January 13, 2026

9:00 a.m. CST

Held at The  
Wichita County Fairgrounds  
506 East M Street  
Leoti, Kansas

Reported By:

ADVANCED COURT REPORTING SERVICES  
Lee Ann Bates, CSR, RPR, CRR  
27113 West Mills Avenue  
Plevna, Kansas 67568  
(620)664-7230



I N D E X

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

PAGE

INTRODUCTION BY HEARING OFFICER 4

FORMAL PHASE:

Presentation by Kansas GMD-1

Testimony of Katie Durham 11, 31

Testimony of David Barfield 16

Presentation by Division of Water Resources

Testimony of Lane Letourneau 50

INFORMAL PHASE:

Testimony of Farrin Watt 28

Testimony of Matt Long 54

Testimony of Don Smith 61

Testimony of Brian Bauck 67

RECORD OF ORAL TESTIMONY CLOSED 69

REPORTER'S CERTIFICATE 70

## P R O C E E D I N G S

MR. LEWIS: Good morning, everybody.

We'll go on the record now. My name is Earl Lewis. I'm the Chief Engineer at the Kansas Department of Agriculture, Division of Water Resources, and I will be serving as the hearing officer today. With me is Stephanie Kramer, Chief Counsel for the Department of Agriculture, and she will be assisting me in this hearing.

Today is January 13th, 2026. The time is 9:03 a.m. and we are holding this hearing at the Wichita County Fairgrounds in Leoti, Kansas. If you've not done so already, I'd ask that you sign in to the attendance sheet and, if you plan to give testimony, please indicate that on the sign-in sheet.

This hearing is being held pursuant to K.S.A. 82a-1041, K.A.R. 5-19-3 and K.A.R. 5-19-5, which govern the establishment of and hearing procedures regarding Local Enhanced Management Areas, or "LEMAs." This hearing is to consider the Wichita County LEMA plan that was previously submitted to me and, pursuant to K.A.R. 5-19-3, will consolidate the initial and subsequent LEMA hearings referenced in

1 K.S.A. 82a-1041. Pursuant to K.S.A. 82a-1041(b),  
2 timely notice of this public hearing was published  
3 in the Wichita County Native Sun and in the Kansas  
4 Register. Each water right owner within the  
5 boundaries of the proposed LEMA was also mailed an  
6 individual notice of the hearing.

7 On December 1st, 2025, I conducted  
8 a pre-hearing conference to allow for discussion of  
9 hearing procedures for today. On December 23rd,  
10 2025, I issued a pre-hearing order to outline the  
11 procedures we'll use in today's hearing. That order  
12 has been posted to the Department of Agriculture's  
13 website.

14 As outlined in my pre-hearing order, today's  
15 hearing will be divided into two phases. First, we  
16 will hold the formal phase of the hearing. The  
17 formal phase of the hearing will consist of  
18 testimony and questions presented by the formal  
19 parties to this hearing, Western Kansas Groundwater  
20 Management District Number 1 and the Division of  
21 Water Resources. The public will not participate in  
22 the formal portion of the hearing.

23 During the formal phase of the hearing, the  
24 formal parties will present their testimony and may  
25 call witnesses to do so. The formal parties will be

1 permitted to ask clarifying questions of the  
2 witnesses testifying on behalf of the other formal  
3 party, but such clarifying questions are not to take  
4 the form of cross-examination. I may also ask  
5 additional clarifying questions of any witness at  
6 any time during the proceedings.

7 As noted in my pre-hearing order, I will not  
8 be strictly applying the rules of evidence in these  
9 proceedings, including the formal phase, but  
10 clarifying questions asked should bear a reasonable  
11 relationship to the testimony presented by each  
12 witness and be relevant to the criteria to be  
13 considered at this hearing. Overall, my purpose is  
14 to ensure that each party has the fullest  
15 opportunity to be heard and to present evidence for  
16 the record.

17 During the informal phase of the hearing, the  
18 public will be allowed to comment on the GMD's  
19 proposal. Public comments may be made by any member  
20 of the public, including water right owners,  
21 businesses, organizations, or anyone else that  
22 wishes to place a comment on the record. Either I  
23 or the formal parties may ask clarifying questions  
24 of anyone who provides comments during the formal  
25 phase of the hearing in order to ensure that we have

1 a complete record. Again, such questions shall not  
2 take the form of a formal cross-examination.

3 Testimony or comments may also be provided in  
4 written form and may include rebuttal testimony or  
5 answer questions based on anything you have heard  
6 today. I will accept written comments here today,  
7 or you can mail that testimony to Ronda Hutton,  
8 that's R-o-n-d-a, H-u-t-t-o-n, and I think we'll  
9 have some information at the sign-in table here as  
10 well, at the Department of Agriculture, 1320  
11 Research Park Drive, Manhattan, Kansas, 66502, or  
12 email to ronda.hutton@ks.gov. The deadline for  
13 submitting that testimony is two weeks from today,  
14 January 27th, 2026. Comments that are mailed must  
15 be postmarked by that date. All written comments  
16 received will be posted on the Department of  
17 Agriculture's website as they are received, and a  
18 transcript of this hearing will also be posted when  
19 it becomes available.

20 I would remind everyone that this hearing is  
21 being transcribed by a court reporter. Before you  
22 make your comments or give testimony, you will be  
23 placed under oath. Please also state your name and  
24 address before testifying and please speak clearly,  
25 and remember that only one person at a time should

1 be speaking.

2 Finally, please remember that the primary  
3 purpose of this hearing is to determine whether the  
4 Wichita County LEMA plan, as proposed by GMD 1,  
5 should be designated. It is appropriate to provide  
6 testimony regarding the effectiveness of the current  
7 Wichita County LEMA plan's corrective control  
8 provisions in meeting that plan's stated goals,  
9 groundwater conditions within the LEMA boundary, the  
10 proposed plan's sufficiency to deal with those  
11 conditions, and any other topics that you believe  
12 are relevant to the criteria set forth in K.S.A.  
13 82a-1041 or to my decision whether to designate the  
14 Wichita County LEMA as proposed.

15 Does anyone have any questions before we begin  
16 the formal phase? Seeing none, we will start the  
17 formal phase and, as a matter of convenience, we'll  
18 allow the witnesses to testify from their seats.

19 I would ask now for Tom Adrian, attorney for  
20 GMD 1, to call his first witness.

21 MR. ADRIAN: Thank you, Mr. Chief  
22 Engineer. As mentioned, I am Tom Adrian. I am  
23 legal counsel for the Western Kansas Groundwater  
24 Management District.

25 I would say that we appreciate the opportunity

1 to present today. We have appreciated the  
2 opportunity to experience the LEMA as it has been in  
3 the last five years.

4 In support of our application for renewal, our  
5 presentation today will consist of the following.  
6 First of all, the written testimony that was  
7 submitted electronically yesterday, and I think that  
8 has been acknowledged as having been received.  
9 There were attachments to it. All of that, we are  
10 asking for the hearing officer to acknowledge or to  
11 receive and consider.

12 Then we will have verbal testimony from Katie  
13 Durham, the manager of the district. We have verbal  
14 testimony from David Barfield, a professional  
15 engineer and consultant to the district, and then I  
16 would add also that I would ask that you note, sort  
17 of parenthetically, the purpose of the Groundwater  
18 Management Districts, as shown in K.S.A. 1020, which  
19 is the legislative declaration for them to exist.

20 I also want to note the valuable contribution  
21 that the board of directors of the Groundwater  
22 Management District have added to this process in  
23 their extensive deliberations and in regard to the  
24 presentation that you will see today. Three of  
25 those board members, I think, are here today: Brian

1 Bauck, Travis Weaver, and Mark Callender. There are  
2 two other board members but, of the five, they have  
3 all worked diligently in this process.

4 So what you are seeing is not simply a  
5 creation of our expert witnesses but it also is a  
6 creation of the stakeholders. We've had numerous  
7 other participants in the discussion and the board  
8 meetings, so what I would say is this is a  
9 well-honed presentation.

10 As noted, the original LEMA was started about  
11 five years ago. We have the benefit of experience  
12 in that and we think that the results are extremely  
13 favorable and worthy of note and worthy of  
14 consideration.

15 As I was driving out here yesterday, I got to  
16 thinking about one of my good friends who's an  
17 internist and he had a patient who had high blood  
18 pressure, and he prescribed a medication to take  
19 care of that high blood pressure. After a few  
20 months, the patient came back in and his blood  
21 pressure had been significantly reduced and was --  
22 he was in good shape, and the patient says to my  
23 friend, "Well, now I can quit the medication, can't  
24 I?" And my good friend says, "You don't  
25 understand." And so all we're asking is, for this

1 renewal, is a continuation of that medication,  
2 corrective measures that help maintain the good  
3 results.

4 So with that, then, I will call as our first  
5 witness, Katie Durham. Katie, first of all, would  
6 you recite your experience in water management and  
7 your education?

8 MR. LEWIS: Let me stop you there just  
9 real quick. We do want to make sure they get sworn  
10 in as a witness.

11 THE REPORTER: Would you please state and  
12 spell your name for the record?

13 MS. DURHAM: Yes. Katie Durham.  
14 K-a-t-i-e, D-u-r-h-a-m.

15 -----

16 KATIE DURHAM,  
17 having been first duly sworn to testify to the truth,  
18 the whole truth, and nothing but the truth, testified as  
19 follows:

20 -----

21 MR. LEWIS: Okay. Proceed.

22 MS. DURHAM: Okay. My name is Katie  
23 Durham. Just a couple of things about my  
24 background. I have a master's degree in water  
25 resource management. In 2013, I served as the

1 manager of GMD 4 in northwest Kansas. I then  
2 proceeded to work for NRCS and also Provost &  
3 Pritchard Consulting Group, which is an engineering  
4 firm in California that specializes in agricultural  
5 policy management and development, specifically with  
6 the Sustainable Groundwater Management Act and the  
7 establishment of groundwater sustainability agencies  
8 and their groundwater sustainability plans to  
9 achieve stability within the different basins in the  
10 California region.

11 MR. ADRIAN: Then I will ask you, in  
12 narrative form, to give your testimony regarding the  
13 presentation today.

14 MS. DURHAM: Okay. Well, first and  
15 foremost, I thank you very much for the opportunity  
16 to provide this testimony.

17 I'll begin by briefly reviewing the background  
18 and purpose of the Wichita County LEMA. The Wichita  
19 County LEMA was created in response to a  
20 long-standing groundwater level declines associated  
21 with overappropriation of the Ogallala Aquifer.  
22 Prior to the LEMA, declines had persisted for  
23 decades, and it was clear that additional management  
24 tools were needed to address the concern at a  
25 county-wide scale.

1           Following an extensive public outreach and  
2 educational process, collecting input from  
3 stakeholders, the Chief Engineer approved the  
4 original Wichita County LEMA for the 2021 through  
5 2025 time period.

6           The LEMA was designed to reduce groundwater  
7 use through locally-developed corrective controls,  
8 while providing flexibility for producers and  
9 maintaining fairness across water right holders.

10           The original LEMA applied to Wichita County  
11 within the GMD 1 area and regulated nonvested  
12 irrigation water rights. Allocations were based on  
13 historical use during the 2009 through 2015 period,  
14 which was selected to align with the Wichita County  
15 Conservation Area, WCA, that preceded the LEMA.

16           From the beginning, the board viewed the LEMA  
17 as a locally-driven adaptive management tool, one  
18 that would be evaluated annually and adjusted as  
19 necessary, based on performance and public input.

20           Now, in turning to the question of continued  
21 need for the LEMA, the board's view is that while  
22 meaningful progress has been made, the underlying  
23 conditions that led to the creation of the LEMA have  
24 not been eliminated. Wichita County remains a high  
25 priority area for the GMD and, while groundwater

1 level declines have slowed significantly and look to  
2 be approaching or at Q-Stable in many areas, per  
3 assessment by the Kansas Geological Survey, the LEMA  
4 and its corrective controls must be renewed in order  
5 to assure that these trends continue.

6 The LEMA has also produced important economic  
7 and community benefits. By providing a clear and  
8 predictable management framework, it has reduced  
9 uncertainty for producers and encouraged investment  
10 in more efficient irrigation systems, cropping  
11 decisions, and overall management practices.

12 Wichita County agricultural total market value  
13 annually is nearly \$600 million. Stability in the  
14 groundwater availability is critical to maintaining  
15 this economic base.

16 The board has observed that the rate at which  
17 irrigated acres are transitioning to dryland has  
18 also slowed, and that producers increasingly view  
19 conservation as part of a shared, long-term,  
20 locally-driven strategy, rather than a short-term  
21 sacrifice.

22 Just as importantly, the LEMA has fostered a  
23 cultural shift towards prioritizing water  
24 conservation more than ever before. Producers  
25 understand that everyone is operating under the same

1 framework and that the progress depends on the  
2 collective action. From the board's perspective,  
3 that shared commitment is one of the LEMA's most  
4 valuable outcomes.

5 For these reasons, the board believes that  
6 continued regulation through the renewal of the  
7 Wichita County LEMA is necessary to preserve recent  
8 progress and to support the long-term viability of  
9 agriculture in Wichita County.

10 I will now turn this testimony over to David  
11 Barfield to continue our presentation.

12 MR. ADRIAN: Mr. Chief Engineer, do you  
13 want to open questions for Katie Durham now or wait  
14 until we are finished with our presentation?

15 MR. LEWIS: I think I'd rather wait until  
16 we're through with both.

17 MR. ADRIAN: All right.

18 MR. LEWIS: So if you want to turn it  
19 over to Mr. Barfield and get him sworn in, we can  
20 proceed.

21 MR. ADRIAN: Okay. Mr. Barfield, if you  
22 would swear in.

23 THE REPORTER: Would you state and spell  
24 your name for the record, please, sir.

25 MR. BARFIELD: Sure. David Barfield.

1 D-a-v-i-d, B-a-r-f-i-e-l-d.

2 -----

3 DAVID BARFIELD,

4 having been first duly sworn to testify to the truth,  
5 the whole truth, and nothing but the truth, testified as  
6 follows:

7 -----

8 THE WITNESS: I do.

9 MR. ADRIAN: And would you also give your  
10 education and qualifications to comment today.

11 MR. BARFIELD: Yes. So I'm a civil  
12 engineer by training, a Bachelor's of Science in  
13 Civil Engineering from the University of Kansas in  
14 1977, and my license as a professional engineer was  
15 obtained in 1984. I also have a Master's of Science  
16 in Water Resources Engineering from the University  
17 of Kansas in 1992.

18 Forty-three years of my career as a civil  
19 engineer have been in water resources, including 36  
20 with the State's Division of Water Resources, 12 as  
21 its Chief Engineer. Since I retired from the State  
22 service in early 2020, I practiced engineering via a  
23 sole proprietor LLC consulting practice that is  
24 focused on groundwater management and water right  
25 consulting. I'm also a part-time contingent

1 employee of the engineering firm Burns & McDonnell.  
2 Since the fall of 2020, I've been assisting GMD 1,  
3 principally in developing, implementing and  
4 evaluating its two local management areas.

5 Should I proceed?

6 MR. ADRIAN: Yes, please.

7 MR. BARFIELD: Okay. I too appreciate  
8 the opportunity to present this oral testimony in  
9 support of the renewal of the Wichita County LEMA.  
10 My part of the oral presentation is essentially to  
11 walk through the technical materials provided in our  
12 written testimony. I'll essentially go through each  
13 graph and table in a summary form and speak to the  
14 sort of the conclusions of that particular analysis.  
15 I'll reference the page numbers as I go. I'll just  
16 briefly pause at the end to see if you have  
17 questions, because that's probably the most  
18 efficient way.

19 So we'll start with Figure 1 on page 7, that  
20 is discussed on pages 5 and 6. This particular  
21 graphic is the work of the Kansas Geological Survey,  
22 principally Brownie Wilson, as it has assisted the  
23 district extensively through this process in  
24 evaluating groundwater conditions in GMD 1  
25 generally, and as well as Wichita County

1 specifically.

2 So Figure 1 is KGS's most recent summary  
3 graphic for Wichita County. Brings together several  
4 related analyses that the KGS has conducted  
5 independently over recent years, including trends in  
6 groundwater use, water-level changes, and the  
7 relationship between the two.

8 The upper left panel shows recent trends in  
9 groundwater pumping and trends in average  
10 groundwater levels, which are inversely related over  
11 time.

12 The upper right panel is KGS relates annual  
13 groundwater use versus annual water right change,  
14 and it's used to estimate what's called Q-Stable for  
15 this particular area of Wichita County within GMD 1.  
16 Q-Stable is an estimate of the amount of pumping  
17 that can be maintained consistent with stable water  
18 levels over a decade or two, according to the KGS.

19 In its most recent report, KGS estimates an  
20 average pumping of 31,400 acre-feet per year will  
21 lead to those stable water levels. This estimate is  
22 down from last year's estimate of 33,600 acre-feet.  
23 Even with this lower recent estimate, KGS estimates  
24 that recent pumping is within 4% of Q-Stable values  
25 for the LEMA area.

1           Finally, the bottom two graphs relate  
2           irrigation-season precipitation to total pumping on  
3           the left and pumping depth on the right. Both these  
4           relationships show a marked reduction in pumping and  
5           pumping depth for the same precipitation,  
6           contrasting the prewater conservation area LEMA  
7           period, essentially before 2017, versus the time  
8           since that time.

9           As stated in the written testimony, KGS  
10          attributes the reduction in irrigation pumping to  
11          both a reduction in application depth over time, as  
12          well as a reduction in acreage irrigated.

13          Okay. I'll move on. If there's no questions,  
14          I'll move on to Figure 2 that's on page 9 and  
15          discussed on page 8.

16          Figure 2 is a graphic that depicts the overall  
17          performance of the LEMA for the first four years.  
18          The figure shows how regulated irrigation used under  
19          the LEMA compares with two benchmarks; first, the  
20          average irrigation use during the historic period of  
21          2009 to 2015, as well as against the average annual  
22          LEMA allocation.

23          The figure shows that regulated irrigation use  
24          during 2021 to 2024 has been well below both  
25          historic use and the average annual allocation for

1 the LEMA. On average, irrigation use for the period  
2 was approximately 62% of the annual LEMA allocation,  
3 and the average irrigation use was approximately 53%  
4 of the historic use. This evaluation was done by  
5 subtracting vested allocation of use from those  
6 totals, as there was no (inaudible due to audience  
7 coughing) in the original LEMA and it's not  
8 regulated by LEMA.

9 Next, I'll briefly review Figure 3, shown on  
10 page 11 and discussed on page 10. This graphic  
11 shows the accumulated average annual  
12 groundwater-level change in Wichita County since the  
13 mid-1990s, based on KGS data that was updated last  
14 week for the most recent year.

15 Rather than showing the year-to-year  
16 variability, this presentation highlights the  
17 long-term trends and inflection points in those  
18 trends. This figure shows a prolonged steady period  
19 of decline through 2015, with an average rate of  
20 decline in that period being on the order of  
21 0.7 feet per year. With the reduced pumping of the  
22 last decade, there's a pronounced flattening of the  
23 curve, as evidenced in the county-wide average rate  
24 of decline that is now less than a tenth of a foot  
25 per year during that latter period.

1           Next, we'll look at Figure 4 on page 13 of the  
2 written testimony and discussed on page 12. This  
3 figure plots the total groundwater use versus KGS's  
4 most recent estimates, both the 2024 estimate and  
5 the 2025 estimate, of Q-Stable.

6           For this comparison, all groundwater use is  
7 included, nonirrigation use as well as vested use,  
8 in addition to the regulated use of by the LEMA,  
9 because the purpose here is to assess how total  
10 pumping of the county compares with KGS estimates of  
11 that pumping that will produce stable water levels.

12           The key point here is that recent total  
13 groundwater pumping is at or near KGS's Q-Stable  
14 estimates. This demonstrates that at a county  
15 scale, current pumping levels are consistent with or  
16 approaching levels needed for long-term stability.  
17 We believe this demonstrates that the current LEMA  
18 framework, even with its allocations far above  
19 recent use, is effectively supporting the transition  
20 to stable water level conditions.

21           Before I move on, one final comment related to  
22 these evaluations. Each of these evaluations looks  
23 at county-wide assessments. Water level declines  
24 are not uniform across the county and, likely, some  
25 areas will need additional action to obtain stable

1 water levels. As we are engaging with the district  
2 stakeholders, they have expressed a desire to see  
3 the resolution of these analyses brought down to a  
4 more local level. The KGS has indicated that for  
5 Q-Stable -- for the Q-Stable analysis to be credible  
6 at a finer resolution, it will require an expansion  
7 in the density of the groundwater level data being  
8 collected. We're working with KGS and locals to  
9 investigate this -- this necessary step.

10 Okay. Next, we'll shift our focus from the  
11 county-wide evaluations to looking at how individual  
12 points of diversions are performing during the LEMA  
13 period. For this, we'll examine the Table 1 on page  
14 15 of the testimony and as discussed on pages 14 and  
15 15.

16 For each of the points of diversions or, in  
17 some cases, well groups, the reported use for 2021  
18 to 2024 was summed, projected to a five-year total  
19 for the LEMA period, and compared to the point of  
20 diversion's total LEMA allocation. The difference  
21 in allocation and projected use is the projected  
22 unused allocation for the LEMA period, expressed  
23 here in terms of years of remaining average  
24 allocation.

25 This table shows and analysis shows that 20%

1 of the points of diversion made no use of their  
2 allocation during the first four years of the LEMA.  
3 For most, this is likely due to insufficient pumping  
4 rate to support effective irrigation.

5 Another 11% -- 11.6% show limited use of their  
6 allocation. Approximately 39% show moderate use of  
7 their allocation projected for the -- for the  
8 period, and finally, at the end, the other end of  
9 the spectrum, approximately 30% of the wells were  
10 projected to have less than one year of unused  
11 allocation remaining at the end of the LEMA period.  
12 These are the users whose pumping is actively  
13 constrained by the LEMA.

14 We believe this point is significant. While  
15 the majority's use is substantially under their  
16 allocations, this substantial subset of water right  
17 holders are operating close enough to their limits  
18 that the LEMA's corrective controls are binding.  
19 These constraints are necessary for maintaining  
20 pumping levels near Q-Stable levels and to making  
21 continued progress moving forward.

22 Finally, I'll jump ahead and cover a graphic  
23 sort of out of sequence, since I have the  
24 microphone, and we'll move to Section 5 and I'll  
25 briefly review the Figure 5 in that section that

1 looks at how the goal for the renewal LEMA was  
2 determined.

3 So the goal development is essentially the  
4 total pumping that can be allowed under the LEMA for  
5 the renewal period. It was determined by starting  
6 with the original five-year goal for the current  
7 LEMA that's in place. From there, we made  
8 adjustments based on our experience with the initial  
9 LEMA period, as no vested rights voluntarily  
10 enrolled in the LEMA. Their allocations have been  
11 removed for the future period.

12 In addition, there was appeals that were  
13 granted during the initial LEMA. The second line is  
14 the additional allocations that were granted as a  
15 result of those appeals. All of these are five-year  
16 numbers.

17 Next, we removed allocations for those who had  
18 no use during the 2021 to 2024 period, as such use  
19 is unlikely in the future, given that. And,  
20 finally, we added our best estimates of the unused  
21 allocations from the original period that would be  
22 carried forward as carryover to the next period,  
23 according to the board's determination that up to  
24 two years' unused allocations should be allowed to  
25 be carried forward.

1           The result of all of those computations is a  
2 goal for the renewal period totaling 250,425  
3 acre-feet, an increase of 2.2 from the original LEMA  
4 goal.

5           The rest of Section 5 and Attachment D to the  
6 LEMA plan provides more details and the board's  
7 rationale why it's reasonable to expect this goal to  
8 be easily accomplished.

9           First, that narrative describes and  
10 acknowledges two uncertainties related to the final  
11 total allowable pumping for the renewal LEMA period.  
12 The first is that the total carryover will vary from  
13 that assumed, based on the first four years of the  
14 record; and secondly, we do not know the full extent  
15 of appeals that will be granted during the renewal  
16 period.

17           Section 5 and Attachment D, though, explain  
18 our rationale for believing that both of these  
19 quantities, these uncertainties, are likely to be  
20 quite small compared to the allocations for the  
21 renewal period.

22           Second, these narratives, the written  
23 testimony and the plan itself, Attachment D,  
24 explain, as we did it during the original  
25 proceeding, why a set of counterbalancing influences

1           strongly suggest the conclusion that pumping will be  
2           well under the renewal LEMA goal; the most  
3           significant of these being the history of use during  
4           the LEMA period with pumping at -- being 38% less  
5           than allocations. There's little reason to believe  
6           that LEMA pumping will expand significantly during  
7           the renewal period.

8                     Taken together, these figures and tables show  
9           that the LEMA has reduced pumping, slowed  
10          groundwater declines, and continues to meaningfully  
11          constrain use for a sustained subset of groundwater  
12          holders.

13                    I'll turn it back to Ms. Durham to describe  
14          how this information formed the board's decisions  
15          and the renewal plan.

16                    MR. ADRIAN: Before we do that again,  
17          there's a gentleman in the audience here who would  
18          like to testify but has to leave at 9:45, and so I  
19          was wondering if we could take him out of line and  
20          do that now.

21                    MR. LEWIS: We can do that now. I was  
22          planning on doing that just as soon as you were --  
23          you were finished, but we are getting close to the  
24          deadline he needs to leave by, so we will pause the  
25          formal portion of the hearing and move to the

1 informal portion of the hearing.

2 When I call your name, I'd ask you to please  
3 come up to the microphone, state your name and any  
4 entity or organization that you're representing, and  
5 then make any comments that you have concerning your  
6 proposed LEMA, and I would appreciate it if you'd  
7 tell me a little bit about your interest in water  
8 use and then provide your comments.

9 So, Mr. Farrin Watt, if you would come  
10 forward, again, give your name and a little bit of  
11 information about yourself, and we'll need to get  
12 you sworn in as well.

13 THE REPORTER: Would you state and spell  
14 your name, please, sir?

15 MR. WATT: Yeah. My first name is  
16 Farrin. My last name is Watt. F-a-r-r-i-n,  
17 W-a-t-t.

18 -----  
19 FARRIN WATT,  
20 having been first duly sworn to testify to the truth,  
21 the whole truth, and nothing but the truth, testified as  
22 follows:

23 -----  
24 MR. WATT: Yes, ma'am, I do.

25 MR. LEWIS: Whenever you're ready.

1           MR. WATT: Okay. So I wasn't going to  
2 say this, but you asked if I was going to tell the  
3 truth. That's kind of a rare thing in this world  
4 today, so the truth is, and then everything after I  
5 say about the truth here is just going to be my  
6 opinion.

7           The truth is in the last 75 years, about 60 of  
8 those years, we've abused this Ogallala Aquifer  
9 something awful, but thanks to the efforts of you  
10 folks and the people in this room, we've changed  
11 that.

12           And so in about 2010, there was a lot of  
13 conversations and meetings about conserving water  
14 and we knew we were losing ground, but it took a  
15 while for that to get done. There was a lot of  
16 different opinions, and that's fine.

17           But so in 2017, a group of us went on our own  
18 and developed a water conservation area, and we took  
19 a hard cut. We took a 29% cut and then we committed  
20 that in seven more years, which then we would go to  
21 a 36% cut and then we'd go to a 43 and then a 50.  
22 So we took the 29 and we -- we built into that the  
23 opportunity to bank unused water over and above that  
24 29%, and we've done that.

25           I've got a couple of examples. On one farm,

1 in that seven-year period, we not only cut back 29%,  
2 but we saved an additional 20% of that water. On  
3 another farm with a 29% cut, we saved over and above  
4 that an additional 17 1/2%, and we banked that  
5 water. That was part of our process, and we knew  
6 that as we went from a 29% cut to a 36 and then on  
7 to the 43, that banked water would be available.

8 So we were in that in 2017 and then in '21 is  
9 when the first LEMA came in, and I'm so glad it came  
10 in, because we've really seen Q-Stable, and I think  
11 Katie and her crew have done a tremendous job of  
12 trying to manage that and keep it going.

13 The concern that I have is -- and that was a  
14 25% cut, right, Katie? Okay. So my concern is we  
15 took a bigger cut. We committed to take even yet a  
16 larger cut in 2024 and we're using that banked  
17 water, and I think that should be available to  
18 everybody, but I -- I guess I caution this -- this  
19 committee that we need to probably take a bigger cut  
20 to earn that water that we bank, and so that's my  
21 concern is banking is a great thing and I think it  
22 should be available, but I think we have to commit  
23 to a bigger cut in order to bank for the future, to  
24 make this really a good process and make the line  
25 that David just talked about go up, instead of

1           flatten out.

2                       So that's my opinion and that's the truth.

3           That's all I have.

4                       MR. LEWIS: All right. Mr. Adrian, do  
5           you have any questions?

6                       MR. ADRIAN: I do not.

7                       MR. LEWIS: Ms. Langworthy?

8                       MS. LANGWORTHY: We do not.

9                       MR. LEWIS: I have one question, just to  
10          clarify. I want to make sure that I heard you  
11          correctly.

12                      Were you suggesting or do you believe that the  
13          allocation scheme, as it exists in this plan, is  
14          adequate, considering the carryforward that's  
15          allowed?

16                      MR. WATT: The cut -- what's the  
17          percentage of cut in this -- in this particular --

18                      MR. LEWIS: So it's essentially the same  
19          as --

20                      MR. WATT: No, I -- no, I don't. I think  
21          it needs to be higher.

22                      MR. LEWIS: Okay.

23                      MR. WATT: In order to bank water, I  
24          think it has to be higher. That's my opinion.

25                      MR. LEWIS: Okay. And --

1 MR. WATT: And we've proved that that  
2 will work, so that's just my opinion.

3 MR. LEWIS: And this, you may not be able  
4 to answer this question, because I'm -- probably  
5 haven't thought about it but, based on that answer,  
6 is there a certain amount or difference that you  
7 think would be appropriate in order to earn that  
8 banked water, as you put it?

9 MR. WATT: I think it could be 5% higher  
10 and then allow banking and I think that would be  
11 meaningful.

12 MR. LEWIS: Okay.

13 MR. WATT: Yeah.

14 MR. LEWIS: Thank you.

15 MR. WATT: My opinion.

16 MR. LEWIS: All right. Thank you for  
17 your testimony.

18 All right. We will now pause the informal  
19 portion and go back to our formal portion.

20 So, Mr. Adrian, I believe did you have  
21 additional witnesses, have additional comments  
22 before we take questions?

23 MS. DURHAM: Back to me. So in this next  
24 portion of our testimony, I'm going to spend a  
25 little time describing the robust public review

1 process and how the board of directors arrived at  
2 the final renewal LEMA plan that is before you  
3 today.

4 Consistent with statutory and regulatory  
5 requirements, GMD 1 conducted annual reviews during  
6 the initial LEMA period to assess the progress of  
7 the plan, as well as a more comprehensive  
8 fourth-year review that took place in 2024. That  
9 fourth-year review incorporated water use data from  
10 2021 through 2023 and was later updated to include  
11 2024 data as it became available.

12 As a part of this process, GMD 1 held three  
13 public stakeholder meetings in order to collaborate  
14 with all water users throughout the county, whether  
15 they be irrigation, stock water, domestic or  
16 municipal. At these meetings, the district and the  
17 Kansas Geological Survey presented updated analyses  
18 of water use, water level trends, Q-Stable  
19 estimates, and projected outcomes under various  
20 renewal scenarios.

21 Stakeholders were invited to comment on both  
22 the overall direction of the renewal LEMA plan and  
23 specific elements of -- as well as specific  
24 individual elements of that plan. One meeting in  
25 particular included over an hour and-a-half of

1 general discussion and input directly from  
2 stakeholders on different proposed portions of the  
3 plan. Stakeholders consistently expressed support  
4 for continuation of the LEMA. At the same time,  
5 they raised important questions about how to  
6 preserve conservation initiatives, maintain  
7 flexibility, and ensure that any changes remain  
8 consistent with commitments made under the original  
9 LEMA.

10 The most significant issue raised during the  
11 renewal process concerned was carryover of unused  
12 allocation. The original LEMA allowed the option  
13 for unused allocation to carry forward into a  
14 subsequent LEMA period without an explicit limit.  
15 As the LEMA performed successfully, it became clear  
16 that continued strong conservation could result in  
17 unusually large carryover amounts. Stakeholders  
18 emphasized that carryover is a critical incentive  
19 for conservation and an important tool for managing  
20 climatic variability. At the same time, the board  
21 recognized that unlimited carryover could undermine  
22 the clarity and enforceability of the LEMA goal.

23 After extensive discussion, the board adopted  
24 a compromise approach that limits carryover to two  
25 years of unused allocation for those that have

1 carryover. This approach preserves strong  
2 conservation initiatives while preventing unlimited  
3 accumulation and maintaining a meaningful long-term  
4 management framework, specifically for years of  
5 extreme drought.

6 In addition to carryover, the board considered  
7 refinements related to appeals, combined well units,  
8 and treatment of nonuse cases. These changes  
9 reflect lessons learned during the implementation of  
10 the first LEMA period and were designed to improve  
11 fairness and clarity without weakening the overall  
12 effectiveness of the LEMA.

13 Throughout this process, the board remained  
14 focused on its responsibility to ensure that the  
15 renewal LEMA continues to function as a meaningful  
16 corrective control, while retaining local support  
17 and credibility.

18 With that context, I will close by summarizing  
19 why the board believes the renewal Wichita County  
20 LEMA should be approved. I want to close by  
21 stepping back from the individual analyses and  
22 speaking to what this renewal LEMA represents from  
23 the district's perspective.

24 The Wichita County LEMA is not a theoretical  
25 exercise. It is a locally-developed management

1 approach that has now been implemented, reviewed and  
2 refined, based on real world, boots on the ground  
3 experience. The data presented today shows  
4 meaningful progress. Pumping has reduced.  
5 Groundwater levels have declined -- have slowed.  
6 Groundwater levels have slowed -- groundwater level  
7 declines have slowed and recent usage is consistent  
8 with what the Kansas Geological Survey estimates  
9 would maintain stable water levels.

10 At the same time, those improvements do not  
11 mean the underlying problem has disappeared.  
12 Wichita County remains a highly depleted portion of  
13 the Ogallala Aquifer. Without continued  
14 coordination and corrective controls, the risk of  
15 reversal is real.

16 From the board's perspective, the question is  
17 not whether the LEMA has worked, but whether  
18 removing it now would put recent gains at risk. We  
19 believe it would.

20 The renewal LEMA before you is not a wholesale  
21 redesign. It is a measured continuation of what has  
22 been -- what has proven effective with targeted  
23 refinements informed by four years of  
24 implementation, updated technical analysis, and  
25 extensive public input.

1           The board has heard clearly from stakeholders  
2           that conservation initiatives matter, flexibilities  
3           matter, and trust matters. Those considerations  
4           shaped decisions on carryover appeals and other  
5           elements of the renewal plan. At the same time, the  
6           board remained mindful of its responsibility to  
7           ensure that the LEMA continues to function as a  
8           meaningful management tool. The renewal plan and  
9           its corrective controls reflect that balance.

10           One point I want to emphasize is that the  
11           approval of this renewal LEMA is not an end point.  
12           The board has committed to continued annual review,  
13           close coordination with the Kansas Geological  
14           Survey, and revisiting allocations, carryover  
15           provisions, or other corrective controls if pumping  
16           trends indicate that additional action is needed.  
17           That commitment to adaptive management is a core  
18           strength of the LEMA framework and a reason it has  
19           earned local credibility.

20           From the district's perspective, approval of  
21           the LEMA as submitted is warranted for three  
22           reasons: First, the LEMA is demonstrably working.  
23           Second, the renewal plan is supported by a robust  
24           public process and reflects local consensus. Third,  
25           the corrective controls are sufficient, reasonable,

1 and paired with clear safeguards.

2           Importantly, the LEMA continues to actively  
3 constrain pumping for a meaningful subset of water  
4 right holders, those whose use would otherwise  
5 jeopardize the progress toward stable water levels.  
6 The Wichita County LEMA represents a locally-driven,  
7 accountable approach to managing a shared and  
8 declining resource in the public interest.

9           For these reasons and based on the record  
10 before you, GMD 1 respectfully requests that the  
11 Chief Engineer approve the Wichita County LEMA  
12 renewal plan as submitted.

13           MR. ADRIAN: I think our oral  
14 presentation is finished, other than for questions  
15 that may be asked.

16           MR. LEWIS: Thank you, Mr. Adrian. Just  
17 for the record, we need to receive your electronic  
18 submission of your testimony yesterday as well.

19           So, Ms. Langworthy, do you have any questions?

20           MS. LANGWORTHY: I do not.

21           MR. LEWIS: I have a few questions I'd  
22 like just again for clarification.

23           You -- and again, I'm not sure. This is  
24 probably on Ms. Durham. You mentioned -- you  
25 certainly recognized or referenced Q-Stable, and

1       that seems to be somewhat of a goal.  It's not  
2       necessarily an explicit goal.  And then I think from  
3       Mr. Barfield's testimony the, you know, the Q-Stable  
4       estimate is 31,000 to 31,500 to 33,500, and so if I  
5       do the math, even at the upper limit, that's like  
6       167,500 acre-feet over a five-year period.  It would  
7       be Q-Stable, but the allocation goal is 252,000.

8               So how do you reconcile a Q -- first of all,  
9       do you -- am I misrepresenting the overall effort to  
10      try and get to Q-Stable?  So, you know, I'd like to  
11      be clear on that, and if not, then how do you  
12      reconcile what seems to be a fairly large difference  
13      in the allocation scheme?

14             MS. DURHAM:  Sure, absolutely.  I'm going  
15      to go ahead and let David speak to a couple points  
16      on that and then I want to elaborate on that as  
17      well.

18             MR. BARFIELD:  And first, with respect to  
19      the board's commitment to do that, in the LEMA plan,  
20      there are specific -- you know, Q-Stable is defined  
21      in the plan and there is a commitment by the board  
22      in the plan to -- to conduct ongoing public reviews,  
23      as we have been, examining how use compares on an  
24      ongoing basis with that Q-Stable value and, in this  
25      plan, there's explicit provisions that say if

1       pumping levels start to increase beyond Q-Stable  
2       that, in the next renewal, they can -- they can look  
3       at allocations and carryover and all those sorts of  
4       things, so -- so there is that commitment by the  
5       board to those processes.

6                So the second question you had is why do we  
7       have allocations that are substantially higher than  
8       Q-Stable, I guess to summarize. So it's been this  
9       experience and, really, in a lot of the LEMAs, that  
10      people don't use 100% of their allocation. So if  
11      you -- if you allocate to Q-Stable, then you're  
12      going to be enforcing use that is substantially  
13      below that value, because people can't make full use  
14      of their allocations. That just doesn't -- doesn't  
15      happen in, I think any of the LEMAs, for that  
16      matter, and then generally, I think for multiyear  
17      allocation systems.

18               So, again, I think our biggest answer to that  
19      question is the corrective controls are binding on  
20      those that have the capacity to pump, and so it's  
21      the corrective controls, in our view, that's the  
22      critical aspect of this plan to ensuring that we  
23      continue at levels of pumping at Q-Stable.

24               MS. DURHAM: And I just want to elaborate  
25      on that a little bit as well. There's an element of

1       this that pertains specifically to the educational  
2       portion of the work that we've done specifically in  
3       Wichita County, and I know there's been some early  
4       conversations about, you know, the -- the idea of  
5       this Q-Stable kind of corrective control and working  
6       with KGS and what that tangibly means, and we've  
7       spent quite a bit of time working with Brownie  
8       Wilson from KGS and others. As you know, we have  
9       the AM mapping completed in our region this last  
10      year, and one of the tools that he's working on  
11      basically developing is an interactive Q-Stable  
12      monitoring system for Wichita County.

13               We have identified that we have a hole in data  
14      in Wichita County. We have two index wells that are  
15      very inconsistent and that KGS does have concerns  
16      about the reliability of those wells, and so we're  
17      working with Lee Wheeler through the Irrigation  
18      Technology Initiative and the Division of  
19      Conservation to seek out additional monitoring wells  
20      that we can establish within the county and get a  
21      firmer idea of what that Q-Stable number is and be  
22      able to track it, not on a purely real-time basis,  
23      but on a more accurately annual basis, and that  
24      information both being public to, you know,  
25      producers within the county and to the board is a

1 way of tightly monitoring that, since it is a fairly  
2 new threshold that has been established, and I  
3 think, you know, Brownie and I have talked  
4 extensively about how we really want to spend some  
5 time refining that, specifically in Wichita County,  
6 and then utilizing that as a tool for monitoring  
7 progress, using and having them be an integral part  
8 of that whole process.

9 MR. LEWIS: My next question goes to  
10 Figures 2 and 3 and your testimony. Figure 2,  
11 again, to make sure I understand correctly, is  
12 irrigation water use, including all irrigation water  
13 use; correct?

14 MR. BARFIELD: Just let me get there real  
15 quick. So Figure 2 is looking at nonvested  
16 irrigation use.

17 MR. LEWIS: Nonvested, okay. Thank you.

18 And then, of course, the figure -- the  
19 following Figure 3 is cumulative water level change,  
20 and so my question is: The LEMA period is '21  
21 through '25 and, as you testified and Mr. Watt  
22 testified, the Wichita County WCA came into being in  
23 2017, but it appears from these graphs, and also  
24 from the previous graph in Figure 1, that there was  
25 substantial change in water use and water level

1 trend, starting in 2015 and 2016.

2 So what -- what would you credit that change  
3 in, the change in the slope of the line, in both the  
4 water use and the water level decline in those  
5 periods before the LEMA period?

6 MR. BARFIELD: Let me take a stab at it  
7 and if you want to supplement.

8 So there was a series of wet years and we had  
9 the dry period in 2011-12. 2014-15 and '16 were all  
10 above average years, 110% and greater, I think all  
11 three of them, so I think there's sort of a  
12 transition from the previous pumping.

13 There's sort of a wet period and then a  
14 transition to, I think a combination of factors,  
15 obviously, and we don't know exactly the mix of  
16 those factors, but the Wichita County water  
17 conservation area certainly was a significant  
18 factor, both their own pumping and I think their  
19 influence and sort of the culture that is started at  
20 that point, so -- and then, you know, the board's  
21 consideration and implementation of the LEMA as  
22 well.

23 Obviously, the ability to pump is a factor  
24 in -- in that as well, for many water users.

25 MS. DURHAM: And then I would just add to

1           that that I do know that there was some significant  
2           hail damage across the region, both in 2015 and '16.

3                       MR. LEWIS: All right. Thank you. Next,  
4           I want to go to page 15, Table 1, regarding  
5           Projected Individual Point of Diversion/Group Use  
6           Relative to Allocation.

7                       Again, just to clarify, it appears you've got  
8           104, roughly 20%, that had zero use, at least  
9           through the first four years of the LEMA. And I  
10          think, Mr. Barfield, you indicated your belief is  
11          primarily that's due to limited or really no ability  
12          to pump the allocation. Is that your -- your  
13          contention or your thoughts?

14                      MR. BARFIELD: Yeah, that's my belief.

15                      MR. LEWIS: Okay. And on the other end  
16          of the spectrum, you've got those as of the fourth  
17          year that have a year or less of roughly 30% and  
18          those, you indicated, were being actively  
19          constrained by the -- by the allocations.

20                      MR. BARFIELD: Yeah; that's correct.

21                      MR. LEWIS: So you've got 50%, roughly,  
22          that are in between those two.

23                      MR. BARFIELD: Yes.

24                      MR. LEWIS: Correct?

25                      MR. BARFIELD: Correct.

1           MR. LEWIS: So I guess the question is  
2 for the ones that are kind of on the next line up  
3 that say have one or two years of venue, so about  
4 another 20%.

5           Do you believe those are not constrained by  
6 the allocations or partially constrained or unable  
7 to tell?

8           MR. BARFIELD: Yeah, I'm unable to tell.  
9 So why -- why these ones in the middle are pumping  
10 less than their allocation, it could be ability to  
11 pump. They have some capacity to pump but no longer  
12 have capacity to fully utilize their allocations.

13           It could be they're conserving water, you  
14 know. You know, as we know, water moves slowly and  
15 people's efforts to conserve those benefits stay  
16 principally, you know, with -- at the point of  
17 diversion, so many may -- may understand that and be  
18 voluntarily conserving.

19           Some of these are in the water conservation  
20 area. That's not exclusively evaluated in this  
21 graphic, so those participants are obviously  
22 committed, as Mr. Watt said, to conservation that's  
23 beyond the LEMA, so it could be a combination of  
24 those factors.

25           MR. LEWIS: And then one more question on

1           this table.

2                       MR. BARFIELD:   Excuse me.   Katie has  
3 something to add.

4                       MR. LEWIS:   Oh, I'm sorry.   Go ahead.

5                       MS. DURHAM:   Just specifically on the,  
6 that group of individuals, I think that it's really  
7 important not to overlook the cultural and  
8 sociological dynamic that's also at play because, I  
9 mean, over 30% of the Irrigation Technology  
10 Initiative well evaluations have actually happened  
11 in Wichita County.

12                      One of the greatest participants for, you  
13 know, we see on-farm management changes, coming in,  
14 working more, you know, participating in all the  
15 public outreach, engaging with KGS independently,  
16 even.   So we do see that there is some voluntary  
17 movement within that as well, and I think that that  
18 plays into David's comments on realizing that what  
19 they save is tangibly going to remain in the ground  
20 for them for a future generation and wanting to be a  
21 part of that.

22                      MR. LEWIS:   Thank you.   One last question  
23 on this table.

24                      I don't know if -- have you looked at the  
25 geographic distribution of those that have not used

1 any of their allocation, if they are grouped  
2 together, or if they are diverse?

3 MR. BARFIELD: Yes, I did take a quick  
4 look at that, and they are -- they are dispersed  
5 geographically. They're not centered in any one  
6 area.

7 MR. LEWIS: Thank you.

8 Finally, on page 20, and for clarity, I just  
9 want to make sure I understand. The original  
10 five-year allocation for the existing LEMA, 246,883,  
11 the 20,645 for vested rights was included in the  
12 original allocation of 246; is that correct?

13 MR. BARFIELD: That is correct. They  
14 were allocated water at five times their authorized  
15 quantity.

16 MR. LEWIS: Okay. Okay. And then you  
17 are not proposing to give allocations to any of the  
18 rights or groups of rights that do not use water in  
19 the current period?

20 MR. BARFIELD: That's correct, although  
21 the plan does include an explicit procedure for them  
22 to appeal and obtain their allocation if they want  
23 to actively use the water right again.

24 MR. LEWIS: Okay. So, adding those two  
25 up, that's roughly 51,000 acre-feet that was for

1 rights that had allocations in the first period that  
2 would not have an allocation in the second period;  
3 correct?

4 MR. BARFIELD: Yeah. Correct.

5 MR. LEWIS: So and then the carryover --  
6 if I'm mischaracterizing this, please correct me,  
7 but the carryover, then, of 47,000 -- your estimate,  
8 I understand -- would be dispersed among that group  
9 that we were just talking about that between those  
10 that did not use anything and those that had used  
11 everything during the first five-year period. So  
12 that group that we're talking about could be  
13 partially constrained or might not be constrained.  
14 We didn't know. Is that a fair assessment?

15 MR. BARFIELD: Well, so the -- the  
16 less -- the more they use, the less carryover  
17 they'll get individually. So those 30% that are  
18 constrained are going to get zero or limited amount  
19 of carryover, whereas those that have used less are  
20 going to get a larger carryover.

21 MR. LEWIS: Mm-hmm.

22 MR. BARFIELD: But, again, they didn't  
23 use it in the original period, so how likely are  
24 they to use it in the subsequent period?

25 We believe a lot of those allocations are not

1 going to get used but, again, there was sort of a  
2 trust factor that Katie has spoken to. The LEMA  
3 plan, the current LEMA plan, says unused allocations  
4 will be carried forward, and so I'll let you speak  
5 to that, I guess.

6 MS. DURHAM: Well, and additionally, I  
7 would just say that we are aware of several -- not  
8 several, but a few situations that that ground was  
9 in EQIP, so it could come out and then could  
10 possibly return and need to have access to its  
11 allocation.

12 But yes, I mean, you know, as I identified in  
13 our -- in my testimony, you know, that was one of  
14 the main hurdles that the board had and engaged with  
15 the public extensively on and tried to find kind of  
16 an equilibrium of what would -- what was fair, what  
17 made sense, and what would pursue additional, you  
18 know, conservation goals.

19 MR. LEWIS: All right. Thank you. Kate,  
20 do you have any additional questions?

21 MS. LANGWORTHY: I do not.

22 MR. LEWIS: You don't have any additional  
23 witnesses at this time?

24 MR. ADRIAN: We do not.

25 MR. LEWIS: Thank you for your testimony.

1 Appreciate that.

2 All right. Ms. Langworthy, would you like to  
3 call your witness?

4 MS. LANGWORTHY: As stated, I'm Kate  
5 Langworthy. I serve as the attorney for the  
6 technical team from DWR which, just for clarity's  
7 sake, is separate and distinct from the Chief  
8 Engineer as hearing officer and his team.

9 Our team consisted of Lane Letourneau, who is  
10 our Water Appropriation Program Manager at DWR, as  
11 well as Chris Beightel, who is our Water Management  
12 Services Program Manager.

13 We did submit written testimony, which was  
14 very brief, this past Friday. However, Lane is  
15 present today to summarize that testimony and then  
16 answer any clarifying questions from Mr. Adrian or  
17 from the Chief Engineer.

18 So, with that, I will turn it over to Lane.

19 MR. LEWIS: All right. Just for clarity,  
20 we did receive your testimony last Friday, and so  
21 I'll now turn it over to the court reporter.

22 THE REPORTER: And I've got your name  
23 spelling on your card here.

24

25

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

-----

LANE LETOURNEAU,

having been first duly sworn to testify to the truth,  
the whole truth, and nothing but the truth, testified as  
follows:

-----

MR. LETOURNEAU: So, for the record, I am  
Lane Letourneau, the Water Appropriation Program  
Manager for the Kansas Department of Agriculture's  
Division of Water Resources.

So, as Kate had brought up, Chris Beightel and  
myself, we had reviewed the plan submitted to us by  
GMD 1. We had two main observations that caused us  
to question how the proposed LEMA would generate  
water savings. Those observations have been brought  
up already by questions from the hearing officer to  
Groundwater Management District Number 1.

The first was the allocation in this  
particular LEMA is a little bit higher than the past  
allocation, and then plus the proposed allocations  
are higher than the Q-Stable number and even  
actually higher than the past average water use, but  
Chris and myself met with Katie Durham and David  
Barfield, and they've -- they've addressed those  
concerns and with the testimony that they provided

1           today, and did even in our meeting, and so with  
2           that, I'll stand for questions.

3                       MR. LEWIS: Mr. Adrian, do you have  
4           questions?

5                       MR. ADRIAN: I do not at this time.

6                       MR. LEWIS: All right. I just want to  
7           clarify.

8                       So, in your testimony, you point out the  
9           higher allocation. You obviously have talked about  
10          that a little bit, but are you still concerned about  
11          that after your recent discussions?

12                      MR. LETOURNEAU: Well, we're concerned  
13          about the plan, but as long as the water users  
14          maintain their actual water use that they're doing,  
15          that they would meet -- we feel that they would meet  
16          the goal.

17                      MR. LEWIS: And what do you, when you say  
18          "meet the goal" what is your understanding of the  
19          goal, then?

20                      MR. LETOURNEAU: Well, my understanding  
21          is Q-Stable is the goal, but the -- I do have to say  
22          that the plan, the numbers in the plan, do not line  
23          up with the Q-Stable goal.

24                      MR. LEWIS: And then in your written  
25          testimony, you indicate, and I'll read.

1           (Reading) Mr. Barfield presented data  
2 responsive to our concerns, including that a subset  
3 of less than 30% of the water rights within the  
4 Wichita County LEMA boundary would generate the  
5 LEMA's water savings.

6           So I was confused about that in a way. Can  
7 you clarify what you meant there a little bit?

8           MR. LETOURNEAU: Yeah, absolutely. If  
9 you go to that table, then I'll call it the point of  
10 diversion table. Table 1 on that, that is the data  
11 that David Barfield provided to us that showed where  
12 the savings would come from, and it's that bottom  
13 portion, and it's the ones that the GMD refers to  
14 that it's a meaningful subset of users that create  
15 the conservation.

16           MR. LEWIS: So again, just to clarify,  
17 it's the group that you -- that Mr. Barfield  
18 referred to as being constrained by the allocation.  
19 That's the ones you're talking about?

20           MR. LETOURNEAU: That's correct.

21           MR. LEWIS: Okay. Great.

22           MR. LETOURNEAU: You said it better than  
23 I, so --

24           MR. LEWIS: All right. Again, just  
25 wanted to clarify and make sure I understood what

1 the -- what you were saying. I don't have any  
2 further questions.

3 Mr. Adrian, confirm you don't have any  
4 additional questions at this time?

5 MR. ADRIAN: Yes, I do. Just a few.

6 Lane, I take it by your comments that you  
7 agree with Katie and David in that there is an  
8 element of trust involved in that history will  
9 repeat itself. Is that -- do I understand it right?

10 MR. LETOURNEAU: Yes; absolutely.

11 MR. ADRIAN: So and if it does, then  
12 we're going to conserve?

13 MR. LETOURNEAU: Correct.

14 MR. ADRIAN: Thank you.

15 MR. LEWIS: Thank you. I don't have any  
16 further questions.

17 And, Ms. Langworthy, do you have any other  
18 witnesses today?

19 MS. LANGWORTHY: No, we do not.

20 MR. LEWIS: Very good. That will  
21 conclude the formal portion of the hearing.

22 We will now go back to the informal portion of  
23 the hearing. I think we've got a few people that  
24 have asked to speak, and so the first one I have on  
25 the list is Matt Long.

1           So if you would come forward, say and spell  
2           your name, be sworn in, and then again, please give  
3           us a little background on yourself and what your  
4           interest is for your testimony.

5           MR. LONG: My name is Matt Long, spelled  
6           M-a-t-t, L-o-n-g.

7           -----

8           MATT LONG,  
9           having been first duly sworn to testify to the truth,  
10          the whole truth, and nothing but the truth, testified as  
11          follows:

12          -----

13          MR. LONG: I do.

14          MR. LEWIS: Whenever you're ready.

15          MR. LONG: Chief Engineer and members of  
16          the Division of Water Resources and Groundwater  
17          Management District Number 1, thank you for the  
18          opportunity to provide testimony for the record  
19          today. My name is Matt Long. I'm a water right  
20          holder and a participant in the Wichita County Water  
21          Conservation Area.

22          I am here today to request modification of the  
23          boundaries of the Wichita County Local Enhanced  
24          Management Area, or Wichita County LEMA, to exclude  
25          areas already enrolled in the Wichita County Water

1 Conservation Area, or Wichita County WCA.

2 This request is grounded in Kansas Statute,  
3 conservation equity, and sound water administration.  
4 I would like to begin by addressing the statutory  
5 authority and the legislative intent that governs  
6 groundwater conservation in Kansas.

7 Kansas law provides multiple conservation  
8 tools, including water conservation areas, under  
9 K.S.A. 82a-745 through 82a-747 and local enhanced  
10 management areas under K.S.A. 82a-1041. These  
11 statutes share a common purpose: Conserving  
12 groundwater while providing certainty and fairness  
13 to water right holders.

14 Under K.S.A. 82a-703(a) and K.S.A. 82a-706(b),  
15 the Chief Engineer is charged with preventing  
16 unreasonable depletion and administering water in  
17 the public interest. Read together, these statutes  
18 support enforcing the conservation program that  
19 achieves the greatest long-term protection of the  
20 aquifer.

21 With that statutory framework in mind, I would  
22 like to briefly compare the conservation  
23 requirements of the Wichita County WCA and the  
24 Wichita County LEMA. The Wichita County WCA was  
25 established in 2017 as a long-term conservation

1 strategy. It began with a 29% reduction in  
2 historical pumping and increases conservation  
3 requirements by 7%, every seven years, up to a  
4 maximum of 50%.

5 Importantly, the Wichita County WCA allows  
6 unlimited carryover of unused water. This was  
7 intentional and designed to reward early, voluntary,  
8 and sustained conservation with the flexibility  
9 necessary to sustain the farming operations  
10 participating in the WCA through the future  
11 increased conservation requirements of the program.

12 By contrast, the Wichita County LEMA,  
13 established in 2021, imposed a 25% reduction in  
14 historical pumping over a five-year period. The  
15 original LEMA did not clearly define carryover and  
16 the newly proposed LEMA would limit carryover to no  
17 more than two additional years of allocation.

18 I would like to explain -- excuse me. The  
19 Wichita County WCA clearly represents a higher and  
20 progressively increasing level of conservation. I  
21 would like to explain the problems created by  
22 overlapping these two conservation programs.

23 Despite the higher level of conservation  
24 required under the WCA, WCA-enrolled wells have been  
25 limited using LEMA-style withdrawal and carryover

1 restrictions. This has created three significant  
2 problems.

3 First, it creates administrative complexity by  
4 requiring annual recalculation of allowable  
5 withdrawals, using overlapping and sometimes  
6 conflicting rule sets. Second, it undermines  
7 voluntary conservation by failing to fully credit  
8 Wichita County WCA participants for water conserved  
9 beyond the required reductions; and, third, it  
10 results in inequitable treatment by subjecting early  
11 adopters of stricter conservation to the same or  
12 greater limitations as those enrolled in a later and  
13 less restrictive program.

14 I would like to provide a specific example  
15 from my own water right that illustrates this issue.  
16 In April of 2024, the Division issued a  
17 determination letter for my Wichita County  
18 WCA-enrolled water right, stating that because my  
19 WCA allocation, including conserved carryover,  
20 exceeded what would have been allowed under the  
21 Wichita County LEMA, a portion of that conserved  
22 water would be withheld. That determination applied  
23 Wichita County LEMA limits to a Wichita County WCA  
24 water right, even though the WCA imposes a higher  
25 level of conservation and operates under an approved

1 management plan.

2 This approach conflicts with K.S.A. 82a-1041,  
3 which requires due consideration for water users who  
4 have already implemented voluntary conservation, and  
5 it conflicts with the WCA management plan approved  
6 by the Chief Engineer on March 7th of 2017. The  
7 Wichita County WCA management plan explicitly  
8 defines a remainder quantity and allows unused water  
9 to be carried forward in subsequent WCA terms until  
10 it is diverted.

11 I would like to provide a concrete example  
12 comparing long-term water savings under the WCA and  
13 the LEMA. Consider a well with a historical  
14 allocation of 160 acre-feet, or historical water use  
15 of 160 acre-feet per year, prior to conservation.  
16 Under the WCA, that well was initially reduced by  
17 29%, allowing 113.6 acre-feet per year for the first  
18 seven years. Conservation requirements then  
19 increase by 7% every seven years, eventually  
20 reaching a 50% reduction. Over a 30-year period,  
21 the Wichita County WCA structure conserves  
22 approximately 1930 acre-feet of water, compared to  
23 its historical water use. Because the WCA allows  
24 unlimited carryover, any conservation beyond the  
25 required reduction is preserved and fully credited

1 to the water user.

2 Under the Wichita County LEMA, the same well  
3 would be reduced by 25%, allowing 120 acre-feet per  
4 year. Over a 30-year period, that results in  
5 approximately 1200 acre-feet of conserved water.  
6 This means that the Wichita County WCA conserves  
7 roughly 730 additional acre-feet of water over a  
8 30-year period for the same well, provided the WCA  
9 rules, including carryover, are honored as approved.

10 Based on these facts, I would like to explain  
11 why modifying the Wichita County LEMA boundary is  
12 both appropriate and necessary. Kansas Statute does  
13 not require lands already subject to a more  
14 restrictive conservation program to be included  
15 within a LEMA. Excluding Wichita County WCA lands  
16 from the Wichita County LEMA boundary enforces the  
17 highest level of conservation already in place,  
18 restores certainty and fairness for Wichita County  
19 WCA participants, reduces administrative burden, and  
20 preserves the integrity of both conservation tools.

21 To conclude, I would like to return to the  
22 core issue before the Chief Engineer. The Wichita  
23 County WCA is a long-term, progressively restrictive  
24 conservation program that exceeds the requirements  
25 of the Wichita County LEMA. Continuing to overlap

1       these programs penalizes early conservation, creates  
2       regulatory confusion, and undermines future  
3       voluntary conservation efforts.

4               For these reasons, I respectfully request that  
5       the Chief Engineer modify the Wichita County LEMA  
6       boundaries to exclude all Wichita County water  
7       conservation enrolled areas. Thank you for the  
8       opportunity to enter this testimony into the record.

9               MR. LEWIS: Thank you, Mr. Long.

10       Mr. Adrian, do you have any questions?

11              MR. ADRIAN: I do not.

12              MR. LEWIS: Ms. Langworthy?

13              MS. LANGWORTHY: I do not.

14              MR. LEWIS: I want to have just a  
15       clarifying question.

16              So your request is to modify the boundaries,  
17       but it -- correct me if I'm wrong. My memory is  
18       that the participants in Wichita County WCA are not  
19       all a common block there. They're spread out among  
20       the county; is that correct?

21              MR. LONG: That's correct. They are not  
22       a block of participants. It's any voluntary  
23       participant in the WCA throughout the area.

24              MR. LEWIS: If I heard you correctly,  
25       your main concern is the confusing regulatory

1 overlap between the two that limits or penalizes  
2 early conservation?

3 MR. LONG: That's correct.

4 MR. LEWIS: Okay. Thank you for your  
5 testimony.

6 I think the next presenter is Don Smith.  
7 Mr. Smith, if you'll come forward.

8 (Discussion held off the record.)

9 MR. LEWIS: Again, Mr. Smith, you may  
10 introduce yourself and then we'll get you sworn in.

11 MR. SMITH: My name is Don Smith. D-o-n,  
12 S-m-i-t-h.

13

-----

14

DON SMITH,

15 having been first duly sworn to testify to the truth,  
16 the whole truth, and nothing but the truth, testified as  
17 follows:

18

-----

19

MR. SMITH: I do.

20

21

MR. LEWIS: Whenever you're ready to  
proceed.

22

23

24

25

MR. SMITH: The success of the Wichita  
County LEMA has been achieved through the efforts of  
the farming community. Together, we have reduced  
our irrigation use to reach Q-Stable conditions,

1 using only what nature replenishes in the aquifer.  
2 The amount of water returned to the aquifer is  
3 influenced by many factors, several of which vary  
4 from year to year.

5 Likewise, irrigation needs change annually,  
6 based upon rainfall temperature and the heat index.  
7 Q-Stable is not a fixed point but, rather, a moving  
8 target that reflects both irrigation demand and  
9 environmental inputs. Farming, like life, makes the  
10 best estimate possible, monitoring the process and  
11 adjusting as reality unfolds.

12 Over the past four years, we have adapted our  
13 farming practices by improving cropping systems,  
14 crop genetics and rotations to maintain  
15 profitability with reduced irrigation. Irrigation  
16 is a cost of production and we are continually  
17 working to find a profitable balance while using  
18 less water.

19 Even with careful planning, environmental  
20 conditions remain unpredictable. We have  
21 experienced years with abundant rainfall, allowing  
22 us to pump less water while producing more crop.  
23 Conversely, we have also endured extremely hot and  
24 dry years when even the maximum pumping could not  
25 sustain the crops we planted.

1           The submitted Wichita County LEMA adds  
2 flexibility that helps us adapt to modern farming  
3 demands and increasingly extreme weather conditions.  
4 First, the options provided under K.S.A. 82a-1041,  
5 specifically the ability to pump more than your  
6 annual authorized, while remaining within the  
7 overall LEMA allotment, can be critical during the  
8 drought years.

9           Second, the option to carry over up to two  
10 years of unused annual allocation may be essential  
11 if another extreme severe drought, like 2012, occurs  
12 in western Kansas.

13           Third, the renewed LEMA preserves the option  
14 to apply for combined well units, provided there is  
15 demonstration of an existing physical system. These  
16 are common sense, flexible tools to help farmers  
17 navigate the ups and downs of both farming and  
18 weather.

19           During the current LEMA period, we have  
20 experienced what I would consider near normal to  
21 above normal rainfall. We have not yet faced a  
22 severe drought cycle, but history tells us it will  
23 return.

24           There has been considerable discussion  
25 regarding the carryover allocations, with opinions

1 ranging from everything I save, I should carry over,  
2 to nothing should carry over. There is no perfect  
3 answer.

4           Allowing a two-year carryover represents a  
5 reasonable compromise between these extremes. It  
6 encourages conservation, while avoiding a  
7 use-it-or-lose-it mentality. Banked water provides  
8 an important buffer to help us endure future drought  
9 cycles.

10           The original LEMA included a wide range of  
11 water rights and allocations. This updated version  
12 takes meaningful steps to clarify the data by  
13 excluding nonuse invested use numbers, resulting in  
14 a cleaner and more accurate goals. This clarity is  
15 essential, as the numbers and details form the  
16 foundation for the decisions we make and how we  
17 measure our success.

18           Can we continue to succeed with this added  
19 flexibility? I believe most farmers understand that  
20 irrigation is a long-term strategy requiring  
21 long-term management. We are no longer a full  
22 irrigation operation and our pumping capacity  
23 reflects that reality. However, even limited  
24 irrigation significantly improves our odds of  
25 success by supplementing what nature provides.

1           For many producers, 2025 dryland farming  
2 proved more profitable than irrigated farming, due  
3 to reduced costs and strong yields, but receiving 20  
4 plus inches of rainfall is not guaranteed every  
5 year. Irrigation remains an important tool, one we  
6 want to preserve.

7           With continued support from KGS and GMD 1, we  
8 will have the data needed to evaluate whether, on  
9 average, we are maintaining Q-Stable conditions. If  
10 the number tells us we need to adapt some more we,  
11 as a community, will change to protect our aquifer.  
12 Thank you.

13           MR. LEWIS: Thank you, Mr. Smith.

14 Mr. Adrian, do you have any questions?

15           MR. ADRIAN: I do not.

16           MR. LEWIS: Ms. Langworthy?

17           MS. LANGWORTHY: I do not.

18           MR. LEWIS: I don't have any questions,  
19 either. Thank you for your testimony.

20           MR. SMITH: Thank you.

21           MR. LEWIS: I don't have anybody else  
22 that has signed up. Is there anybody else in the  
23 audience that would like to provide oral testimony  
24 today?

25           Seeing none, in a moment, we'll close this

1 opportunity to provide oral testimony. You are  
2 still free to provide written testimony, whether you  
3 provided -- whether you have provided oral testimony  
4 or not.

5 Remember that all written comments must be  
6 submitted or postmarked by January 27th, after which  
7 the record of this matter will be closed. Anyone  
8 may submit additional written testimony before this  
9 date and your comments will also be made a part of  
10 the record in this hearing and considered in the  
11 decision. Information on how to submit written  
12 testimony is available at the sign-in table.

13 After the record is closed, I will review the  
14 record and make a decision on how to proceed  
15 pursuant to GMD's request. Pursuant to statute, I  
16 have 120 days to issue my order and decision.

17 Regarding this order, I have the following  
18 choices under law: One, accept the LEMA plan as  
19 proposed. Two, reject the LEMA plan as insufficient  
20 to address the identified conditions. Three, return  
21 the plan if it is determined to be deficient,  
22 identifying the reasons for doing so, and with the  
23 option for the GMD to revise and resubmit the plan;  
24 or, four, return the plan with specific suggestions  
25 for improvement, which the GMD can accept or reject.

1           If the order of decision accepts the LEMA  
2 plan, then that order will take the form of a  
3 consolidated order of decision and order of  
4 designation, and will designate the area as a LEMA  
5 and order the corrective controls proposed by this  
6 plan.

7           Before I close the hearing, I would like to  
8 ask one more time if anyone out there wishes to  
9 offer any additional oral testimony here today.

10                           (Hand raised.)

11           MR. LEWIS: If you'd come forward and  
12 give us your name and we'll get you sworn in.

13           MR. BAUCK: Brian Bauck. B-r-i-a-n,  
14 B-a-u-c-k.

15                           -----

16                           BRIAN BAUCK,  
17 having been first duly sworn to testify to the truth,  
18 the whole truth, and nothing but the truth, testified as  
19 follows:

20                           -----

21           MR. BAUCK: I'd like to also say that I  
22 am the Wichita County GMD board member, so there's  
23 been a lot of issues on this carryover, I feel like,  
24 and I believe that when we went into this, and I was  
25 not on the board at the time when the first LEMA

1 started, that there was a lot of understanding that  
2 this carryover of some sort would be in place when  
3 we came to renewal.

4 I just want to say that I think that was a  
5 psychological incentive for producers to conserve,  
6 because it's like there's an end goal. There's a  
7 reward at the end for trying to go ahead and  
8 conserve as much as we possibly can, and so I think  
9 that was just the psychological side changed a lot  
10 of people's ways of production and the way they  
11 looked at their water and how much they were  
12 pumping.

13 For example, on my own operation, you have a  
14 rain event. You know, in the past, you might have  
15 said, "I'm just going to go ahead and let the well  
16 go," but I know for me, it was like, "Okay. Well, I  
17 think I can shut it off for a couple days and save  
18 that water," because it's always in the back of your  
19 mind that we need to be conserving, and so I think  
20 that is a big change that I've seen in the county  
21 and with my fellow producers.

22 Sorry I didn't have anything formal, so this  
23 was all from the cuff, and I appreciate the time.

24 MR. LEWIS: That's just fine.

25 Mr. Adrian, do you have any questions?

1 MR. ADRIAN: I do not.

2 MR. LEWIS: Ms. Langworthy?

3 MS. LANGWORTHY: I do not.

4 MR. LEWIS: I don't have any, either.

5 Thank you, Mr. Bauck.

6 Is there anyone else that would like to speak  
7 today? All right.

8 Well, first of all, as we close out this  
9 hearing, I want to thank everyone that presented  
10 testimony today for participating and everybody that  
11 attended for being here and offering your support.

12 Thank you for participating, and the record  
13 for oral testimony in this matter is now closed.

14

15 (Proceedings concluded at 10:30 a.m.  
16 Central Standard Time.)

17

18

19

20

21

22

23

24

25

1 STATE OF KANSAS )

2  
3 COUNTY OF RENO )

4 This is to certify that I, Lee Ann Bates, a  
5 Certified Shorthand Reporter in and for the State of  
6 Kansas, reported in shorthand the proceedings had at  
7 the time and place set forth on the title page hereof  
8 and that to the best of my ability, the above and  
9 foregoing pages contain a full, true and correct  
10 transcript of the said proceedings.

11 Certified to on this 20th day of January, 2026.

12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

ADVANCED COURT REPORTING SERVICES  
LEE ANN BATES, CSR, RPR, CRR  
27113 West Mills Avenue  
Plevna, Kansas 67568  
(620) 664-7230

	<b>13:9;21:24;43:2</b>	<b>17:6;26:16;30:4,6;</b>	<b>58:17;59:3;62:21;</b>	<b>13:3;34:20;57:25;</b>
<b>§</b>	<b>Act (1)</b> 12:6	<b>31:20;37:13,16;</b>	<b>64:4</b>	<b>58:5;59:9</b>
<b>\$600 (1)</b> 14:13	<b>action (3)</b> 15:2;21:25;36:16	<b>48:24;49:16;51:3,5;</b>	<b>allows (3)</b> 56:5;58:8,23	<b>approximately (6)</b> 20:2,3;23:6,9;
<b>A</b>	<b>actively (4)</b> 23:12;37:2;43:18;	<b>53:3,5,11,14;60:10,</b>	<b>although (1)</b> 46:20	<b>58:22;59:5</b>
<b>ability (4)</b> 42:23;43:11;44:10;	<b>actual (1)</b> 51:14	<b>11;65:14,15;68:25;</b>	<b>always (1)</b> 68:18	<b>April (1)</b> 57:16
63:5	<b>actually (2)</b> 45:10;50:22	<b>69:1</b>	<b>among (2)</b> 47:8;60:19	<b>Aquifer (7)</b> 12:21;28:8;35:13;
<b>able (2)</b> 31:3;40:22	<b>adapt (2)</b> 63:2;65:10	<b>Again (15)</b> 7:1;26:16;27:10;	<b>amount (4)</b> 18:16;31:6;47:18;	<b>55:20;62:1,2;65:11</b>
<b>above (5)</b> 21:18;28:23;29:3;	<b>adapted (1)</b> 62:12	<b>37:22,23;39:18;</b>	62:2	<b>area (15)</b> 13:11,15,25;18:15,
42:10;63:21	<b>adaptive (2)</b> 13:17;36:17	<b>41:11;43:7;46:23;</b>	<b>amounts (1)</b> 33:17	<b>25;19:6;28:18;42:17;</b>
<b>absolutely (3)</b> 38:14;52:8;53:10	<b>add (3)</b> 9:16;42:25;45:3	<b>47:22;48:1;52:16,24;</b>	<b>analyses (4)</b> 18:4;22:3;32:17;	<b>44:20;46:6;54:21,24;</b>
<b>abundant (1)</b> 62:21	<b>added (3)</b> 9:22;24:20;64:18	<b>54:2;61:9</b>	34:21	<b>55:1;60:23;67:4</b>
<b>abused (1)</b> 28:8	<b>adding (1)</b> 46:24	<b>against (1)</b> 19:21	<b>analysis (4)</b> 17:14;22:5,25;	<b>Areas (8)</b> 4:21;14:2;17:4;
<b>accept (3)</b> 7:6;66:18,25	<b>addition (3)</b> 21:8;24:12;34:6	<b>agencies (1)</b> 12:7	35:24	<b>21:25;54:25;55:8,10;</b>
<b>accepts (1)</b> 67:1	<b>additional (18)</b> 6:5;12:23;21:25;	<b>ago (1)</b> 10:11	<b>and-a-half (1)</b> 32:25	<b>60:7</b>
<b>access (1)</b> 48:10	24:14;29:2,4;31:21,	<b>agree (1)</b> 53:7	<b>annual (12)</b> 18:12,13;19:21,25;	<b>arrived (1)</b> 32:1
<b>accomplished (1)</b> 25:8	48:17,20,22;53:4;	<b>agricultural (2)</b> 12:4;14:12	20:2,11;32:5;36:12;	<b>aspect (1)</b> 39:22
<b>according (2)</b> 18:18;24:23	56:17;59:7;66:8;67:9	<b>Agriculture (4)</b> 4:6,9;7:10;15:9	40:23;57:4;63:6,10	<b>assess (2)</b> 21:9;32:6
<b>accountable (1)</b> 37:7	<b>additionally (1)</b> 48:6	<b>Agriculture's (3)</b> 5:12;7:17;50:9	<b>annually (3)</b> 13:18;14:13;62:5	<b>assessment (2)</b> 14:3;47:14
<b>accumulated (1)</b> 20:11	<b>address (3)</b> 7:24;12:24;66:20	<b>ahead (5)</b> 23:22;38:15;45:4;	<b>appeal (1)</b> 46:22	<b>assessments (1)</b> 21:23
<b>accumulation (1)</b> 34:3	<b>addressed (1)</b> 50:24	68:7,15	<b>appeals (5)</b> 24:12,15;25:15;	<b>assisted (1)</b> 17:22
<b>accurate (1)</b> 64:14	<b>addressing (1)</b> 55:4	<b>align (1)</b> 13:14	34:7;36:4	<b>assisting (2)</b> 4:9;17:2
<b>accurately (1)</b> 40:23	<b>adds (1)</b> 63:1	<b>allocate (1)</b> 39:11	<b>appears (2)</b> 41:23;43:7	<b>associated (1)</b> 12:20
<b>achieve (1)</b> 12:9	<b>adequate (1)</b> 30:14	<b>allocated (1)</b> 46:14	<b>application (2)</b> 9:4;19:11	<b>assumed (1)</b> 25:13
<b>achieved (1)</b> 61:23	<b>adjusted (1)</b> 13:18	<b>allocation (37)</b> 19:22,25;20:2,5;	<b>applied (2)</b> 13:10;57:22	<b>assure (1)</b> 14:5
<b>achieves (1)</b> 55:19	<b>adjusting (1)</b> 62:11	22:20,21,22,24;23:2,	<b>apply (1)</b> 63:14	<b>Attachment (3)</b> 25:5,17,23
<b>acknowledge (1)</b> 9:10	<b>adjustments (1)</b> 24:8	6,7,11;30:13;33:12,	<b>applying (1)</b> 6:8	<b>attachments (1)</b> 9:9
<b>acknowledged (1)</b> 9:8	<b>administering (1)</b> 55:16	13,25;38:7,13;39:10,	<b>appreciate (5)</b> 8:25;17:7;27:6;	<b>attendance (1)</b> 4:15
<b>acknowledges (1)</b> 25:10	<b>administration (1)</b> 55:3	17;43:6,12;44:10;	49:1;68:23	<b>attended (1)</b> 69:11
<b>acreage (1)</b> 19:12	<b>administrative (2)</b> 57:3;59:19	46:1,10,12,22;47:2;	<b>appreciated (1)</b> 9:1	<b>attorney (2)</b> 8:19;49:5
<b>acre-feet (12)</b> 18:20,22;25:3;38:6;	<b>adopted (1)</b> 33:23	48:11;50:18,20;51:9;	<b>approach (5)</b> 33:24;34:1;35:1;	<b>attributes (1)</b> 19:10
46:25;58:14,15,17,22;	<b>adopters (1)</b> 57:11	52:18;56:17;57:19;	37:7;58:2	<b>audience (3)</b> 20:6;26:17;65:23
59:3,5,7	<b>Adrian (29)</b> 8:19,21,22;12:11;	58:14;63:10	<b>approaching (2)</b> 14:2;21:16	<b>authority (1)</b> 55:5
<b>acres (1)</b> 14:17	15:12,17,21;16:9;	<b>Allocations (24)</b> 13:12;21:18;23:16;	<b>appropriate (3)</b> 8:5;31:7;59:12	<b>authorized (2)</b> 46:14;63:6
<b>across (3)</b>		24:10,14,17,21,24;	<b>Appropriation (2)</b> 49:10;50:8	<b>availability (1)</b> 14:14
		25:20;26:5;36:14;	<b>approval (2)</b> 36:11,20	<b>available (6)</b> 7:19;29:7,17,22;
		39:3,7,14;43:19;44:6,	<b>approve (1)</b> 37:11	<b>32:11;66:12</b>
		12;46:17;47:1,25;	<b>approved (5)</b>	<b>average (14)</b>
		48:3;50:20;63:25;		
		64:11		
		<b>allotment (1)</b> 63:7		
		<b>allow (3)</b> 5:8;8:18;31:10		
		<b>allowable (2)</b> 25:11;57:4		
		<b>allowed (6)</b> 6:18;24:4,24;30:15;		
		33:12;57:20		
		<b>allowing (4)</b>		

<p>18:9,20;19:20,21,25;20:1,3,11,19,23;22:23;42:10;50:22;65:9</p> <p><b>avoiding (1)</b> 64:6</p> <p><b>aware (1)</b> 48:7</p> <p><b>awful (1)</b> 28:9</p>	<p><b>becomes (1)</b> 7:19</p> <p><b>began (1)</b> 56:1</p> <p><b>begin (3)</b> 8:15;12:17;55:4</p> <p><b>beginning (1)</b> 13:16</p> <p><b>behalf (1)</b> 6:2</p> <p><b>Beightel (2)</b> 49:11;50:11</p> <p><b>belief (2)</b> 43:10,14</p> <p><b>believes (2)</b> 15:5;34:19</p> <p><b>believing (1)</b> 25:18</p> <p><b>below (2)</b> 19:24;39:13</p> <p><b>benchmarks (1)</b> 19:19</p> <p><b>benefit (1)</b> 10:11</p> <p><b>benefits (2)</b> 14:7;44:15</p> <p><b>best (2)</b> 24:20;62:10</p> <p><b>better (1)</b> 52:22</p> <p><b>beyond (4)</b> 39:1;44:23;57:9;58:24</p> <p><b>big (1)</b> 68:20</p> <p><b>bigger (3)</b> 29:15,19,23</p> <p><b>biggest (1)</b> 39:18</p> <p><b>binding (2)</b> 23:18;39:19</p> <p><b>bit (7)</b> 27:7,10;39:25;40:7;50:19;51:10;52:7</p> <p><b>block (2)</b> 60:19,22</p> <p><b>blood (3)</b> 10:17,19,20</p> <p><b>board (22)</b> 9:21,25;10:2,7;13:16;14:16;15:5;32:1;33:20,23;34:6,13,19;36:1,6,12;38:21;39:5;40:25;48:14;67:22,25</p> <p><b>board's (8)</b> 13:21;15:2;24:23;25:6;26:14;35:16;38:19;42:20</p> <p><b>boots (1)</b> 35:2</p> <p><b>both (15)</b> 15:16;19:3,11,24;</p>	<p>21:4;25:18;32:21;40:24;42:3,18;43:2;59:12,20;62:8;63:17</p> <p><b>bottom (2)</b> 19:1;52:12</p> <p><b>boundaries (4)</b> 5:5;54:23;60:6,16</p> <p><b>boundary (4)</b> 8:9;52:4;59:11,16</p> <p><b>Brian (3)</b> 9:25;67:13,16</p> <p><b>B-r-i-a-n (1)</b> 67:13</p> <p><b>brief (1)</b> 49:14</p> <p><b>briefly (5)</b> 12:17;17:16;20:9;23:25;55:22</p> <p><b>Brings (1)</b> 18:3</p> <p><b>brought (3)</b> 22:3;50:11,15</p> <p><b>Brownie (3)</b> 17:22;40:7;41:3</p> <p><b>buffer (1)</b> 64:8</p> <p><b>built (1)</b> 28:22</p> <p><b>burden (1)</b> 59:19</p> <p><b>Burns (1)</b> 17:1</p> <p><b>businesses (1)</b> 6:21</p>	<p>16:18</p> <p><b>careful (1)</b> 62:19</p> <p><b>carried (4)</b> 24:22,25;48:4;58:9</p> <p><b>carry (4)</b> 33:13;63:9;64:1,2</p> <p><b>carryforward (1)</b> 30:14</p> <p><b>carryover (28)</b> 24:22;25:12;33:11,17,18,21,24;34:1,6;36:4,14;39:3;47:5,7,16,19,20;56:6,15,16,25;57:19;58:24;59:9;63:25;64:4;67:23;68:2</p> <p><b>cases (2)</b> 22:17;34:8</p> <p><b>caused (1)</b> 50:13</p> <p><b>caution (1)</b> 29:18</p> <p><b>centered (1)</b> 46:5</p> <p><b>Central (1)</b> 69:16</p> <p><b>certain (1)</b> 31:6</p> <p><b>certainly (2)</b> 37:25;42:17</p> <p><b>certainty (2)</b> 55:12;59:18</p> <p><b>change (9)</b> 18:13;20:12;41:19,25;42:2,3;62:5;65:11;68:20</p> <p><b>changed (2)</b> 28:10;68:9</p> <p><b>changes (4)</b> 18:6;33:7;34:8;45:13</p> <p><b>charged (1)</b> 55:15</p> <p><b>Chief (14)</b> 4:5,8;8:21;13:3;15:12;16:21;37:11;49:7,17;54:15;55:15;58:6;59:22;60:5</p> <p><b>choices (1)</b> 66:18</p> <p><b>Chris (3)</b> 49:11;50:11,23</p> <p><b>civil (3)</b> 16:11,13,18</p> <p><b>clarification (1)</b> 37:22</p> <p><b>clarify (7)</b> 30:10;43:7;51:7;52:7,16,25;64:12</p> <p><b>clarifying (7)</b> 6:1,3,5,10,23;49:16;60:15</p>	<p><b>clarity (5)</b> 33:22;34:11;46:8;49:19;64:14</p> <p><b>clarity's (1)</b> 49:6</p> <p><b>cleaner (1)</b> 64:14</p> <p><b>clear (5)</b> 12:23;14:7;33:15;37:1;38:11</p> <p><b>clearly (4)</b> 7:24;36:1;56:15,19</p> <p><b>climatic (1)</b> 33:20</p> <p><b>close (8)</b> 23:17;26:23;34:18,20;36:13;65:25;67:7;69:8</p> <p><b>closed (3)</b> 66:7,13;69:13</p> <p><b>collaborate (1)</b> 32:13</p> <p><b>collected (1)</b> 22:8</p> <p><b>collecting (1)</b> 13:2</p> <p><b>collective (1)</b> 15:2</p> <p><b>combination (2)</b> 42:14;44:23</p> <p><b>combined (2)</b> 34:7;63:14</p> <p><b>coming (1)</b> 45:13</p> <p><b>comment (5)</b> 6:18,22;16:10;21:21;32:21</p> <p><b>comments (14)</b> 6:19,24;7:3,6,14,15,22;27:5,8;31:21;45:18;53:6;66:5,9</p> <p><b>commit (1)</b> 29:22</p> <p><b>commitment (5)</b> 15:3;36:17;38:19,21;39:4</p> <p><b>commitments (1)</b> 33:8</p> <p><b>committed (4)</b> 28:19;29:15;36:12;44:22</p> <p><b>committee (1)</b> 29:19</p> <p><b>common (3)</b> 55:11;60:19;63:16</p> <p><b>community (3)</b> 14:7;61:24;65:11</p> <p><b>compare (1)</b> 55:22</p> <p><b>compared (3)</b> 22:19;25:20;58:22</p> <p><b>compares (3)</b> 19:19;21:10;38:23</p>
<b>B</b>		<b>C</b>		
<p><b>Bachelor's (1)</b> 16:12</p> <p><b>back (8)</b> 10:20;26:13;29:1;31:19,23;34:21;53:22;68:18</p> <p><b>background (3)</b> 11:24;12:17;54:3</p> <p><b>balance (2)</b> 36:9;62:17</p> <p><b>bank (4)</b> 28:23;29:20,23;30:23</p> <p><b>banked (5)</b> 29:4,7,16;31:8;64:7</p> <p><b>banking (2)</b> 29:21;31:10</p> <p><b>Barfield (29)</b> 9:14;15:11,19,21,25,25;16:3,11;17:7;38:18;41:14;42:6;43:10,14,20,23,25;44:8;45:2;46:3,13,20;47:4,15,22;50:24;52:1,11,17</p> <p><b>B-a-r-f-i-e-l-d (1)</b> 16:1</p> <p><b>Barfield's (1)</b> 38:3</p> <p><b>base (1)</b> 14:15</p> <p><b>based (11)</b> 7:5;13:12,19;20:13;24:8;25:13;31:5;35:2;37:9;59:10;62:6</p> <p><b>basically (1)</b> 40:11</p> <p><b>basins (1)</b> 12:9</p> <p><b>basis (3)</b> 38:24;40:22,23</p> <p><b>Bauck (6)</b> 10:1;67:13,13,16,21;69:5</p> <p><b>B-a-u-c-k (1)</b> 67:14</p> <p><b>bear (1)</b> 6:10</p> <p><b>became (2)</b> 32:11;33:15</p>	<p><b>California (2)</b> 12:4,10</p> <p><b>call (6)</b> 5:25;8:20;11:4;27:2;49:3;52:9</p> <p><b>called (1)</b> 18:14</p> <p><b>Callender (1)</b> 10:1</p> <p><b>came (5)</b> 10:20;29:9,9;41:22;68:3</p> <p><b>can (15)</b> 7:7;10:23;15:19;18:17;24:4;26:21;39:2,2,40:20;52:6;63:7;64:18;66:25;68:8,17</p> <p><b>capacity (4)</b> 39:20;44:11,12;64:22</p> <p><b>card (1)</b> 49:23</p> <p><b>care (1)</b> 10:19</p> <p><b>career (1)</b></p>			

<p><b>comparing (1)</b> 58:12</p> <p><b>comparison (1)</b> 21:6</p> <p><b>complete (1)</b> 7:1</p> <p><b>completed (1)</b> 40:9</p> <p><b>complexity (1)</b> 57:3</p> <p><b>comprehensive (1)</b> 32:7</p> <p><b>compromise (2)</b> 33:24;64:5</p> <p><b>computations (1)</b> 25:1</p> <p><b>concern (5)</b> 12:24;29:13,14,21; 60:25</p> <p><b>concerned (3)</b> 33:11;51:10,12</p> <p><b>concerning (1)</b> 27:5</p> <p><b>concerns (3)</b> 40:15;50:25;52:2</p> <p><b>conclude (2)</b> 53:21;59:21</p> <p><b>concluded (1)</b> 69:15</p> <p><b>conclusion (1)</b> 26:1</p> <p><b>conclusions (1)</b> 17:14</p> <p><b>concrete (1)</b> 58:11</p> <p><b>conditions (10)</b> 8:9,11;13:23;17:24; 21:20;61:25;62:20; 63:3;65:9;66:20</p> <p><b>conduct (1)</b> 38:22</p> <p><b>conducted (3)</b> 5:7;18:4;32:5</p> <p><b>conference (1)</b> 5:8</p> <p><b>confirm (1)</b> 53:3</p> <p><b>conflicting (1)</b> 57:6</p> <p><b>conflicts (2)</b> 58:2,5</p> <p><b>confused (1)</b> 52:6</p> <p><b>confusing (1)</b> 60:25</p> <p><b>confusion (1)</b> 60:2</p> <p><b>consensus (1)</b> 36:24</p> <p><b>Conservation (47)</b> 13:15;14:19,24; 19:6;28:18;33:6,16, 19:34;2;36:2;40:19;</p>	<p>42:17;44:19,22; 48:18;52:15;54:21; 55:1,3,6,7,8,18,22,25; 56:2,8,11,20,22,23; 57:7,11,25;58:4,15, 18,24;59:14,17,20,24; 60:1,3,7;61:2;64:6</p> <p><b>conserve (4)</b> 44:15;53:12;68:5,8</p> <p><b>conserved (4)</b> 57:8,19,21;59:5</p> <p><b>conserves (2)</b> 58:21;59:6</p> <p><b>conserving (5)</b> 28:13;44:13,18; 55:11;68:19</p> <p><b>consider (4)</b> 4:22;9:11;58:13; 63:20</p> <p><b>considerable (1)</b> 63:24</p> <p><b>consideration (3)</b> 10:14;42:21;58:3</p> <p><b>considerations (1)</b> 36:3</p> <p><b>considered (3)</b> 6:13;34:6;66:10</p> <p><b>considering (1)</b> 30:14</p> <p><b>consist (2)</b> 5:17;9:5</p> <p><b>consisted (1)</b> 49:9</p> <p><b>consistent (5)</b> 18:17;21:15;32:4; 33:8;35:7</p> <p><b>consistently (1)</b> 33:3</p> <p><b>consolidate (1)</b> 4:24</p> <p><b>consolidated (1)</b> 67:3</p> <p><b>constrain (2)</b> 26:11;37:3</p> <p><b>constrained (8)</b> 23:13;43:19;44:5,6; 47:13,13,18;52:18</p> <p><b>constraints (1)</b> 23:19</p> <p><b>consultant (1)</b> 9:15</p> <p><b>Consulting (3)</b> 12:3;16:23,25</p> <p><b>contention (1)</b> 43:13</p> <p><b>context (1)</b> 34:18</p> <p><b>contingent (1)</b> 16:25</p> <p><b>continually (1)</b> 62:16</p> <p><b>continuation (3)</b> 11:1;33:4;35:21</p>	<p><b>continue (4)</b> 14:5;15:11;39:23; 64:18</p> <p><b>continued (7)</b> 13:20;15:6;23:21; 33:16;35:13;36:12; 65:7</p> <p><b>continues (4)</b> 26:10;34:15;36:7; 37:2</p> <p><b>Continuing (1)</b> 59:25</p> <p><b>contrast (1)</b> 56:12</p> <p><b>contrasting (1)</b> 19:6</p> <p><b>contribution (1)</b> 9:20</p> <p><b>control (3)</b> 8:7;34:16;40:5</p> <p><b>controls (10)</b> 13:7;14:4;23:18; 35:14;36:9,15,25; 39:19,21;67:5</p> <p><b>convenience (1)</b> 8:17</p> <p><b>conversations (2)</b> 28:13;40:4</p> <p><b>Conversely (1)</b> 62:23</p> <p><b>coordination (2)</b> 35:14;36:13</p> <p><b>core (2)</b> 36:17;59:22</p> <p><b>corrective (14)</b> 8:7;11:2;13:7;14:4; 23:18;34:16;35:14; 36:9,15,25;39:19,21; 40:5;67:5</p> <p><b>correctly (3)</b> 30:11;41:11;60:24</p> <p><b>cost (1)</b> 62:16</p> <p><b>costs (1)</b> 65:3</p> <p><b>coughing (1)</b> 20:7</p> <p><b>Counsel (2)</b> 4:8;8:23</p> <p><b>counterbalancing (1)</b> 25:25</p> <p><b>County (73)</b> 4:13,23;5:3;8:4,7, 14;12:18,19;13:4,10, 14,24;14:12;15:7,9; 17:9,25;18:3,15; 20:12;21:10,14,24; 32:14;34:19,24; 35:12;37:6,11;40:3, 12,14,20,25;41:5,22; 42:16;45:11;52:4; 54:20,23,24,25;55:1, 23,24,24;56:5,12,19;</p>	<p>57:8,17,21,23,23; 58:7,21;59:2,6,11,15, 16,18,23,25;60:5,6, 18,20;61:23;63:1; 67:22;68:20</p> <p><b>county-wide (4)</b> 12:25;20:23;21:23; 22:11</p> <p><b>couple (4)</b> 11:23;28:25;38:15; 68:17</p> <p><b>course (1)</b> 41:18</p> <p><b>court (2)</b> 7:21;49:21</p> <p><b>cover (1)</b> 23:22</p> <p><b>create (1)</b> 52:14</p> <p><b>created (3)</b> 12:19;56:21;57:1</p> <p><b>creates (2)</b> 57:3;60:1</p> <p><b>creation (3)</b> 10:5,6;13:23</p> <p><b>credibility (2)</b> 34:17;36:19</p> <p><b>credible (1)</b> 22:5</p> <p><b>credit (2)</b> 42:2;57:7</p> <p><b>credited (1)</b> 58:25</p> <p><b>crew (1)</b> 29:11</p> <p><b>criteria (2)</b> 6:12;8:12</p> <p><b>critical (4)</b> 14:14;33:18;39:22; 63:7</p> <p><b>crop (2)</b> 62:14,22</p> <p><b>cropping (2)</b> 14:10;62:13</p> <p><b>crops (1)</b> 62:25</p> <p><b>cross-examination (2)</b> 6:4;7:2</p> <p><b>cuff (1)</b> 68:23</p> <p><b>cultural (2)</b> 14:23;45:7</p> <p><b>culture (1)</b> 42:19</p> <p><b>cumulative (1)</b> 41:19</p> <p><b>current (7)</b> 8:6;21:15,17;24:6; 46:19;48:3;63:19</p> <p><b>curve (1)</b> 20:23</p> <p><b>cut (13)</b> 28:19,19,21;29:1,3,</p>	<p>6,14,15,16,19,23; 30:16,17</p> <p><b>cycle (1)</b> 63:22</p> <p><b>cycles (1)</b> 64:9</p>
<b>D</b>				
				<p><b>damage (1)</b> 43:2</p> <p><b>data (10)</b> 20:13;22:7;32:9,11; 35:3;40:13;52:1,10; 64:12;65:8</p> <p><b>date (2)</b> 7:15;66:9</p> <p><b>David (9)</b> 9:14;15:10,25;16:3; 29:25;38:15;50:23; 52:11;53:7</p> <p><b>D-a-v-i-d (1)</b> 16:1</p> <p><b>David's (1)</b> 45:18</p> <p><b>days (2)</b> 66:16;68:17</p> <p><b>deadline (2)</b> 7:12;26:24</p> <p><b>deal (1)</b> 8:10</p> <p><b>decade (2)</b> 18:18;20:22</p> <p><b>decades (1)</b> 12:23</p> <p><b>December (2)</b> 5:7,9</p> <p><b>decision (6)</b> 8:13;66:11,14,16; 67:1,3</p> <p><b>decisions (4)</b> 14:11;26:14;36:4; 64:16</p> <p><b>declaration (1)</b> 9:19</p> <p><b>decline (4)</b> 20:19,20,24;42:4</p> <p><b>declined (1)</b> 35:5</p> <p><b>declines (6)</b> 12:20,22;14:1; 21:23;26:10;35:7</p> <p><b>declining (1)</b> 37:8</p> <p><b>deficient (1)</b> 66:21</p> <p><b>define (1)</b> 56:15</p> <p><b>defined (1)</b> 38:20</p> <p><b>defines (1)</b> 58:8</p> <p><b>degree (1)</b></p>

<p>11:24  <b>deliberations (1)</b>                  9:23  <b>demand (1)</b>                  62:8  <b>demands (1)</b>                  63:3  <b>demonstrably (1)</b>                  36:22  <b>demonstrates (2)</b>                  21:14,17  <b>demonstration (1)</b>                  63:15  <b>density (1)</b>                  22:7  <b>Department (6)</b>                  4:5,8;5:12;7:10,16;                  50:9  <b>depends (1)</b>                  15:1  <b>depicts (1)</b>                  19:16  <b>depleted (1)</b>                  35:12  <b>depletion (1)</b>                  55:16  <b>depth (3)</b>                  19:3,5,11  <b>describe (1)</b>                  26:13  <b>describes (1)</b>                  25:9  <b>describing (1)</b>                  31:25  <b>designate (2)</b>                  8:13;67:4  <b>designated (1)</b>                  8:5  <b>designation (1)</b>                  67:4  <b>designed (3)</b>                  13:6;34:10;56:7  <b>desire (1)</b>                  22:2  <b>Despite (1)</b>                  56:23  <b>details (2)</b>                  25:6;64:15  <b>determination (3)</b>                  24:23;57:17,22  <b>determine (1)</b>                  8:3  <b>determined (3)</b>                  24:2,5;66:21  <b>developed (1)</b>                  28:18  <b>developing (2)</b>                  17:3;40:11  <b>development (2)</b>                  12:5;24:3  <b>difference (3)</b>                  22:20;31:6;38:12  <b>different (3)</b></p>	<p>12:9;28:16;33:2  <b>diligently (1)</b>                  10:3  <b>direction (1)</b>                  32:22  <b>directly (1)</b>                  33:1  <b>directors (2)</b>                  9:21;32:1  <b>disappeared (1)</b>                  35:11  <b>discussed (5)</b>                  17:20;19:15;20:10;                  21:2;22:14  <b>discussion (6)</b>                  5:8;10:7;33:1,23;                  61:8;63:24  <b>discussions (1)</b>                  51:11  <b>dispersed (2)</b>                  46:4;47:8  <b>distinct (1)</b>                  49:7  <b>distribution (1)</b>                  45:25  <b>District (10)</b>                  5:20;8:24;9:13,15,                  22;17:23;22:1;32:16;                  50:17;54:17  <b>Districts (1)</b>                  9:18  <b>district's (2)</b>                  34:23;36:20  <b>diverse (1)</b>                  46:2  <b>diversion (3)</b>                  23:1;44:17;52:10  <b>Diversion/Group (1)</b>                  43:5  <b>diversions (2)</b>                  22:12,16  <b>diversion's (1)</b>                  22:20  <b>diverted (1)</b>                  58:10  <b>divided (1)</b>                  5:15  <b>Division (7)</b>                  4:6;5:20;16:20;                  40:18;50:10;54:16;                  57:16  <b>domestic (1)</b>                  32:15  <b>Don (3)</b>                  61:6,11,14  <b>D-o-n (1)</b>                  61:11  <b>done (6)</b>                  4:14;20:4;28:15,24;                  29:11;40:2  <b>down (2)</b>                  18:22;22:3  <b>downs (1)</b></p>	<p>63:17  <b>Drive (1)</b>                  7:11  <b>driving (1)</b>                  10:15  <b>drought (5)</b>                  34:5;63:8,11,22;                  64:8  <b>dry (2)</b>                  42:9;62:24  <b>dryland (2)</b>                  14:17;65:1  <b>due (5)</b>                  20:6;23:3;43:11;                  58:3;65:2  <b>duly (7)</b>                  11:17;16:4;27:20;                  50:3;54:9;61:15;                  67:17  <b>Durham (18)</b>                  9:13;11:5,13,13,16,                  22,23;12:14;15:13;                  26:13;31:23;37:24;                  38:14;39:24;42:25;                  45:5;48:6;50:23  <b>D-u-r-h-a-m (1)</b>                  11:14  <b>During (22)</b>                  5:23;6:6,17,24;                  13:13;19:20,24;                  20:25;22:12;23:2;                  24:13,18;25:15,24;                  26:3,6;32:5;33:10;                  34:9;47:11;63:7,19  <b>DWR (2)</b>                  49:6,10  <b>dynamic (1)</b>                  45:8</p>	<p>8:6;34:12  <b>efficient (2)</b>                  14:10;17:18  <b>effort (1)</b>                  38:9  <b>efforts (4)</b>                  28:9;44:15;60:3;                  61:23  <b>Either (3)</b>                  6:22;65:19;69:4  <b>elaborate (2)</b>                  38:16;39:24  <b>electronic (1)</b>                  37:17  <b>electronically (1)</b>                  9:7  <b>element (2)</b>                  39:25;53:8  <b>elements (3)</b>                  32:23,24;36:5  <b>eliminated (1)</b>                  13:24  <b>else (4)</b>                  6:21;65:21,22;69:6  <b>email (1)</b>                  7:12  <b>emphasize (1)</b>                  36:10  <b>emphasized (1)</b>                  33:18  <b>employee (1)</b>                  17:1  <b>encouraged (1)</b>                  14:9  <b>encourages (1)</b>                  64:6  <b>end (8)</b>                  17:16;23:8,8,11;                  36:11;43:15;68:6,7  <b>endure (1)</b>                  64:8  <b>endured (1)</b>                  62:23  <b>enforceability (1)</b>                  33:22  <b>enforces (1)</b>                  59:16  <b>enforcing (2)</b>                  39:12;55:18  <b>engaged (1)</b>                  48:14  <b>engaging (2)</b>                  22:1;45:15  <b>Engineer (17)</b>                  4:5;8:22;9:15;13:3;                  15:12;16:12,14,19,21;                  37:11;49:8,17;54:15;                  55:15;58:6;59:22;                  60:5  <b>engineering (5)</b>                  12:3;16:13,16,22;                  17:1  <b>Enhanced (3)</b></p>	<p>4:21;54:23;55:9  <b>enough (1)</b>                  23:17  <b>enrolled (4)</b>                  24:10;54:25;57:12;                  60:7  <b>ensure (5)</b>                  6:14,25;33:7;34:14;                  36:7  <b>ensuring (1)</b>                  39:22  <b>enter (1)</b>                  60:8  <b>entity (1)</b>                  27:4  <b>environmental (2)</b>                  62:9,19  <b>EQIP (1)</b>                  48:9  <b>equilibrium (1)</b>                  48:16  <b>equity (1)</b>                  55:3  <b>essential (2)</b>                  63:10;64:15  <b>essentially (5)</b>                  17:10,12;19:7;24:3;                  30:18  <b>establish (1)</b>                  40:20  <b>established (3)</b>                  41:2;55:25;56:13  <b>establishment (2)</b>                  4:20;12:7  <b>estimate (10)</b>                  18:14,16,21,22,23;                  21:4,5;38:4;47:7;                  62:10  <b>estimates (8)</b>                  18:19,23;21:4,10,                  14;24:20;32:19;35:8  <b>evaluate (1)</b>                  65:8  <b>evaluated (2)</b>                  13:18;44:20  <b>evaluating (2)</b>                  17:4,24  <b>evaluation (1)</b>                  20:4  <b>evaluations (4)</b>                  21:22,22;22:11;                  45:10  <b>Even (11)</b>                  18:23;21:18;29:15;                  38:5;45:16;50:21;                  51:1;57:24;62:19,24;                  64:23  <b>event (1)</b>                  68:14  <b>eventually (1)</b>                  58:19  <b>everybody (3)</b>                  4:3;29:18;69:10</p>
<b>E</b>			<p><b>Earl (1)</b>                  4:4  <b>early (6)</b>                  16:22;40:3;56:7;                  57:10;60:1;61:2  <b>earn (2)</b>                  29:20;31:7  <b>earned (1)</b>                  36:19  <b>easily (1)</b>                  25:8  <b>economic (2)</b>                  14:6,15  <b>education (2)</b>                  11:7;16:10  <b>educational (2)</b>                  13:2;40:1  <b>effective (2)</b>                  23:4;35:22  <b>effectively (1)</b>                  21:19  <b>effectiveness (2)</b></p>	

<p><b>everyone (3)</b> 7:20;14:25;69:9</p> <p><b>evidence (2)</b> 6:8,15</p> <p><b>evidenced (1)</b> 20:23</p> <p><b>exactly (1)</b> 42:15</p> <p><b>examine (1)</b> 22:13</p> <p><b>examining (1)</b> 38:23</p> <p><b>example (3)</b> 57:14;58:11;68:13</p> <p><b>examples (1)</b> 28:25</p> <p><b>exceeded (1)</b> 57:20</p> <p><b>exceeds (1)</b> 59:24</p> <p><b>exclude (2)</b> 54:24;60:6</p> <p><b>Excluding (2)</b> 59:15;64:13</p> <p><b>exclusively (1)</b> 44:20</p> <p><b>Excuse (2)</b> 45:2;56:18</p> <p><b>exercise (1)</b> 34:25</p> <p><b>exist (1)</b> 9:19</p> <p><b>existing (2)</b> 46:10;63:15</p> <p><b>exists (1)</b> 30:13</p> <p><b>expand (1)</b> 26:6</p> <p><b>expansion (1)</b> 22:6</p> <p><b>expect (1)</b> 25:7</p> <p><b>experience (6)</b> 9:2;10:11;11:6; 24:8;35:3;39:9</p> <p><b>experienced (2)</b> 62:21;63:20</p> <p><b>expert (1)</b> 10:5</p> <p><b>explain (5)</b> 25:17,24;56:18,21; 59:10</p> <p><b>explicit (4)</b> 33:14;38:2,25; 46:21</p> <p><b>explicitly (1)</b> 58:7</p> <p><b>expressed (3)</b> 22:2,22;33:3</p> <p><b>extensive (4)</b> 9:23;13:1;33:23; 35:25</p> <p><b>extensively (3)</b></p>	<p>17:23;41:4;48:15</p> <p><b>extent (1)</b> 25:14</p> <p><b>extreme (3)</b> 34:5;63:3,11</p> <p><b>extremely (2)</b> 10:12;62:23</p> <p><b>extremes (1)</b> 64:5</p> <p style="text-align: center;"><b>F</b></p> <p><b>faced (1)</b> 63:21</p> <p><b>factor (3)</b> 42:18,23;48:2</p> <p><b>factors (4)</b> 42:14,16;44:24; 62:3</p> <p><b>facts (1)</b> 59:10</p> <p><b>failing (1)</b> 57:7</p> <p><b>fair (2)</b> 47:14;48:16</p> <p><b>Fairgrounds (1)</b> 4:13</p> <p><b>fairly (2)</b> 38:12;41:1</p> <p><b>fairness (4)</b> 13:9;34:11;55:12; 59:18</p> <p><b>fall (1)</b> 17:2</p> <p><b>far (1)</b> 21:18</p> <p><b>farm (2)</b> 28:25;29:3</p> <p><b>farmers (2)</b> 63:16;64:19</p> <p><b>farming (8)</b> 56:9;61:24;62:9,13; 63:2,17;65:1,2</p> <p><b>Farrin (3)</b> 27:9,16,19</p> <p><b>F-a-r-r-i-n (1)</b> 27:16</p> <p><b>favorable (1)</b> 10:13</p> <p><b>feel (2)</b> 51:15;67:23</p> <p><b>feet (1)</b> 20:21</p> <p><b>fellow (1)</b> 68:21</p> <p><b>few (5)</b> 10:19;37:21;48:8; 53:5,23</p> <p><b>Figure (16)</b> 17:19;18:2;19:14, 16,18,23;20:9,18; 21:1,3;23:25;41:10, 15,18,19,24</p>	<p><b>figures (2)</b> 26:8;41:10</p> <p><b>final (3)</b> 21:21;25:10;32:2</p> <p><b>Finally (6)</b> 8:2;19:1;23:8,22; 24:20;46:8</p> <p><b>find (2)</b> 48:15;62:17</p> <p><b>fine (2)</b> 28:16;68:24</p> <p><b>finer (1)</b> 22:6</p> <p><b>finished (3)</b> 15:14;26:23;37:14</p> <p><b>firm (2)</b> 12:4;17:1</p> <p><b>firmer (1)</b> 40:21</p> <p><b>First (35)</b> 5:15;8:20;9:6;11:4, 5,17;12:14;16:4; 19:17,19;23:2;25:9, 12,13;27:15,20;29:9; 34:10;36:22;38:8,18; 43:9;47:1,11;50:3,18; 53:24;54:9;57:3; 58:17;61:15;63:4; 67:17,25;69:8</p> <p><b>five (4)</b> 9:3;10:2,11;46:14</p> <p><b>five-year (7)</b> 22:18;24:6,15;38:6; 46:10;47:11;56:14</p> <p><b>fixed (1)</b> 62:7</p> <p><b>flatten (1)</b> 30:1</p> <p><b>flattening (1)</b> 20:22</p> <p><b>flexibilities (1)</b> 36:2</p> <p><b>flexibility (5)</b> 13:8;33:7;56:8; 63:2;64:19</p> <p><b>flexible (1)</b> 63:16</p> <p><b>focus (1)</b> 22:10</p> <p><b>focused (2)</b> 16:24;34:14</p> <p><b>folks (1)</b> 28:10</p> <p><b>following (4)</b> 9:5;13:1;41:19; 66:17</p> <p><b>follows (7)</b> 11:19;16:6;27:22; 50:5;54:11;61:17; 67:19</p> <p><b>foot (1)</b> 20:24</p> <p><b>foremost (1)</b></p>	<p>12:15</p> <p><b>form (7)</b> 6:4;7:2,4;12:12; 17:13;64:15;67:2</p> <p><b>formal (18)</b> 5:16,17,18,22,23, 24,25;6:2,9,23,24;7:2; 8:16,17;26:25;31:19; 53:21;68:22</p> <p><b>formed (1)</b> 26:14</p> <p><b>forth (1)</b> 8:12</p> <p><b>Forty-three (1)</b> 16:18</p> <p><b>forward (10)</b> 23:21;24:22,25; 27:10;33:13;48:4; 54:1;58:9;61:7;67:11</p> <p><b>fostered (1)</b> 14:22</p> <p><b>foundation (1)</b> 64:16</p> <p><b>four (7)</b> 19:17;23:2;25:13; 35:23;43:9;62:12; 66:24</p> <p><b>fourth (1)</b> 43:16</p> <p><b>fourth-year (2)</b> 32:8,9</p> <p><b>framework (6)</b> 14:8;15:1;21:18; 34:4;36:18;55:21</p> <p><b>free (1)</b> 66:2</p> <p><b>Friday (2)</b> 49:14,20</p> <p><b>friend (2)</b> 10:23,24</p> <p><b>friends (1)</b> 10:16</p> <p><b>full (3)</b> 25:14;39:13;64:21</p> <p><b>fullest (1)</b> 6:14</p> <p><b>fully (3)</b> 44:12;57:7;58:25</p> <p><b>function (2)</b> 34:15;36:7</p> <p><b>further (2)</b> 53:2,16</p> <p><b>future (7)</b> 24:11,19;29:23; 45:20;56:10;60:2; 64:8</p> <p style="text-align: center;"><b>G</b></p> <p><b>gains (1)</b> 35:18</p> <p><b>general (1)</b> 33:1</p>	<p><b>generally (2)</b> 17:25;39:16</p> <p><b>generate (2)</b> 50:14;52:4</p> <p><b>generation (1)</b> 45:20</p> <p><b>genetics (1)</b> 62:14</p> <p><b>gentleman (1)</b> 26:17</p> <p><b>geographic (1)</b> 45:25</p> <p><b>geographically (1)</b> 46:5</p> <p><b>Geological (5)</b> 14:3;17:21;32:17; 35:8;36:13</p> <p><b>given (1)</b> 24:19</p> <p><b>glad (1)</b> 29:9</p> <p><b>GMD (17)</b> 8:4,20;12:1;13:11, 25;17:2,24;18:15; 32:5,12;37:10;50:13; 52:13;65:7;66:23,25; 67:22</p> <p><b>GMD's (2)</b> 6:18;66:15</p> <p><b>goal (17)</b> 24:1,3,6;25:2,4,7; 26:2;33:22;38:1,2,7; 51:16,18,19,21,23; 68:6</p> <p><b>goals (3)</b> 8:8;48:18;64:14</p> <p><b>goes (1)</b> 41:9</p> <p><b>Good (7)</b> 4:3;10:16,22,24; 11:2;29:24;53:20</p> <p><b>govern (1)</b> 4:20</p> <p><b>governs (1)</b> 55:5</p> <p><b>granted (3)</b> 24:13,14;25:15</p> <p><b>graph (2)</b> 17:13;41:24</p> <p><b>graphic (6)</b> 17:21;18:3;19:16; 20:10;23:22;44:21</p> <p><b>graphs (2)</b> 19:1;41:23</p> <p><b>great (2)</b> 29:21;52:21</p> <p><b>greater (2)</b> 42:10;57:12</p> <p><b>greatest (2)</b> 45:12;55:19</p> <p><b>ground (4)</b> 28:14;35:2;45:19; 48:8</p>
---	---	--	--	---

<p><b>grounded (1)</b> 55:2</p> <p><b>Groundwater (31)</b> 5:19;8:9,23;9:17, 21;12:6,7,8,20;13:6, 25;14:14;16:24; 17:24;18:6,9,10,13; 21:3,6,13;22:7;26:10, 11;35:5,6,6;50:17; 54:16;55:6,12</p> <p><b>groundwater-level (1)</b> 20:12</p> <p><b>Group (6)</b> 12:3;28:17;45:6; 47:8,12;52:17</p> <p><b>grouped (1)</b> 46:1</p> <p><b>groups (2)</b> 22:17;46:18</p> <p><b>guaranteed (1)</b> 65:4</p> <p><b>guess (4)</b> 29:18;39:8;44:1; 48:5</p>	<p>56:19,23;57:24</p> <p><b>highest (1)</b> 59:17</p> <p><b>highlights (1)</b> 20:16</p> <p><b>highly (1)</b> 35:12</p> <p><b>historic (3)</b> 19:20,25;20:4</p> <p><b>historical (6)</b> 13:13;56:2,14; 58:13,14,23</p> <p><b>history (3)</b> 26:3;53:8;63:22</p> <p><b>hold (1)</b> 5:16</p> <p><b>holder (1)</b> 54:20</p> <p><b>holders (5)</b> 13:9;23:17;26:12; 37:4;55:13</p> <p><b>holding (1)</b> 4:12</p> <p><b>hole (1)</b> 40:13</p> <p><b>honored (1)</b> 59:9</p> <p><b>hot (1)</b> 62:23</p> <p><b>hour (1)</b> 32:25</p> <p><b>hurdles (1)</b> 48:14</p> <p><b>Hutton (1)</b> 7:7</p> <p><b>H-u-t-t-o-n (1)</b> 7:8</p>	<p><b>improve (1)</b> 34:10</p> <p><b>improvement (1)</b> 66:25</p> <p><b>improvements (1)</b> 35:10</p> <p><b>improves (1)</b> 64:24</p> <p><b>improving (1)</b> 62:13</p> <p><b>inaudible (1)</b> 20:6</p> <p><b>incentive (2)</b> 33:18;68:5</p> <p><b>inches (1)</b> 65:4</p> <p><b>include (3)</b> 7:4;32:10;46:21</p> <p><b>included (5)</b> 21:7;32:25;46:11; 59:14;64:10</p> <p><b>including (9)</b> 6:9,20;16:19;18:5; 41:12;52:2;55:8; 57:19;59:9</p> <p><b>inconsistent (1)</b> 40:15</p> <p><b>incorporated (1)</b> 32:9</p> <p><b>increase (3)</b> 25:3;39:1;58:19</p> <p><b>increased (1)</b> 56:11</p> <p><b>increases (1)</b> 56:2</p> <p><b>increasing (1)</b> 56:20</p> <p><b>increasingly (2)</b> 14:18;63:3</p> <p><b>independently (2)</b> 18:5;45:15</p> <p><b>index (2)</b> 40:14;62:6</p> <p><b>indicate (3)</b> 4:16;36:16;51:25</p> <p><b>indicated (3)</b> 22:4;43:10,18</p> <p><b>individual (5)</b> 5:6;22:11;32:24; 34:21;43:5</p> <p><b>individually (1)</b> 47:17</p> <p><b>individuals (1)</b> 45:6</p> <p><b>inequitable (1)</b> 57:10</p> <p><b>inflection (1)</b> 20:17</p> <p><b>influence (1)</b> 42:19</p> <p><b>influenced (1)</b> 62:3</p> <p><b>influences (1)</b></p>	<p>25:25</p> <p><b>informal (4)</b> 6:17;27:1;31:18; 53:22</p> <p><b>information (5)</b> 7:9;26:14;27:11; 40:24;66:11</p> <p><b>informed (1)</b> 35:23</p> <p><b>initial (4)</b> 4:25;24:8,13;32:6</p> <p><b>initially (1)</b> 58:16</p> <p><b>Initiative (2)</b> 40:18;45:10</p> <p><b>initiatives (3)</b> 33:6;34:2;36:2</p> <p><b>input (4)</b> 13:2,19;33:1;35:25</p> <p><b>inputs (1)</b> 62:9</p> <p><b>instead (1)</b> 29:25</p> <p><b>insufficient (2)</b> 23:3;66:19</p> <p><b>integral (1)</b> 41:7</p> <p><b>integrity (1)</b> 59:20</p> <p><b>intent (1)</b> 55:5</p> <p><b>intentional (1)</b> 56:7</p> <p><b>interactive (1)</b> 40:11</p> <p><b>interest (4)</b> 27:7;37:8;54:4; 55:17</p> <p><b>internist (1)</b> 10:17</p> <p><b>into (7)</b> 5:15;28:22;33:13; 41:22;45:18;60:8; 67:24</p> <p><b>introduce (1)</b> 61:10</p> <p><b>inversely (1)</b> 18:10</p> <p><b>invested (1)</b> 64:13</p> <p><b>investigate (1)</b> 22:9</p> <p><b>investment (1)</b> 14:9</p> <p><b>invited (1)</b> 32:21</p> <p><b>involved (1)</b> 53:8</p> <p><b>irrigated (3)</b> 14:17;19:12;65:2</p> <p><b>irrigation (24)</b> 13:12;14:10;19:10, 18,20,23;20:1,3,23;4,</p>	<p>32:15;40:17;41:12, 12,16;45:9;61:25; 62:5,8,15,15;64:20, 22,24;65:5</p> <p><b>irrigation-season (1)</b> 19:2</p> <p><b>issue (4)</b> 33:10;57:15;59:22; 66:16</p> <p><b>issued (2)</b> 5:10;57:16</p> <p><b>issues (1)</b> 67:23</p> <p style="text-align: center;"><b>J</b></p> <p><b>January (3)</b> 4:11;7:14;66:6</p> <p><b>jeopardize (1)</b> 37:5</p> <p><b>job (1)</b> 29:11</p> <p><b>jump (1)</b> 23:22</p> <p style="text-align: center;"><b>K</b></p> <p><b>Kansas (20)</b> 4:5,13;5:3,19;7:11; 8:23;12:1;14:3;16:13, 17;17:21;32:17;35:8; 36:13;50:9;55:2,6,7; 59:12;63:12</p> <p><b>KAR (3)</b> 4:19,19,24</p> <p><b>Kate (3)</b> 48:19;49:4;50:11</p> <p><b>Katie (13)</b> 9:12;11:5,5,13,16, 22;15:13;29:11,14; 45:2;48:2;50:23;53:7</p> <p><b>K-a-t-i-e (1)</b> 11:14</p> <p><b>keep (1)</b> 29:12</p> <p><b>key (1)</b> 21:12</p> <p><b>KGS (15)</b> 18:4,12,18,19,23; 19:9;20:13;21:10; 22:4,8;40:6,8,15; 45:15;65:7</p> <p><b>KGS's (3)</b> 18:2;21:3,13</p> <p><b>kind (4)</b> 28:3;40:5;44:2; 48:15</p> <p><b>knew (2)</b> 28:14;29:5</p> <p><b>Kramer (1)</b> 4:8</p> <p><b>KSA (11)</b> 4:18;5:1,1,8;12;</p>
<p style="text-align: center;"><b>H</b></p>				
<p><b>hail (1)</b> 43:2</p> <p><b>Hand (1)</b> 67:10</p> <p><b>happen (1)</b> 39:15</p> <p><b>happened (1)</b> 45:10</p> <p><b>hard (1)</b> 28:19</p> <p><b>heard (5)</b> 6:15;7:5;30:10; 36:1;60:24</p> <p><b>hearing (32)</b> 4:7,10,12,18,20,22; 5:2,6,9,11,15,16,17, 19,22,23;6:13,17,25; 7:18,20;8:3,9;10; 26:25;27:1;49:8; 50:16;53:21,23; 66:10;67:7;69:9</p> <p><b>hearings (1)</b> 4:25</p> <p><b>heat (1)</b> 62:6</p> <p><b>held (3)</b> 4:18;32:12;61:8</p> <p><b>help (3)</b> 11:2;63:16;64:8</p> <p><b>helps (1)</b> 63:2</p> <p><b>high (3)</b> 10:17,19;13:24</p> <p><b>higher (11)</b> 30:21,24;31:9;39:7; 50:19,21,22;51:9;</p>	<p style="text-align: center;"><b>I</b></p> <p><b>idea (2)</b> 40:4,21</p> <p><b>identified (3)</b> 40:13;48:12;66:20</p> <p><b>identifying (1)</b> 66:22</p> <p><b>illustrates (1)</b> 57:15</p> <p><b>implementation (3)</b> 34:9;35:24;42:21</p> <p><b>implemented (2)</b> 35:1;58:4</p> <p><b>implementing (1)</b> 17:3</p> <p><b>important (6)</b> 14:6;33:5,19;45:7; 64:8;65:5</p> <p><b>importantly (3)</b> 14:22;37:2;56:5</p> <p><b>imposed (1)</b> 56:13</p> <p><b>imposes (1)</b> 57:24</p>			

<p>9:18;55:9,10,14,14; 58:2;63:4</p>	<p>41:20;42:5,21;43:9; 44:23;46:10;48:2,3; 50:14,19;52:4;54:24; 55:24;56:12,15,16; 57:21,23;58:13;59:2, 11,15,16,25;60:5; 61:23;63:1,7,13,19; 64:10;66:18,19;67:1, 4,25</p>	<p><b>limit (3)</b> 33:14;38:5;56:16</p>	<p><b>M</b></p>	<p><b>M-a-t-t (1)</b> 54:6</p>
<p><b>L</b></p>	<p>50:14,19;52:4;54:24; 55:24;56:12,15,16; 57:21,23;58:13;59:2, 11,15,16,25;60:5; 61:23;63:1,7,13,19; 64:10;66:18,19;67:1, 4,25</p>	<p><b>limitations (1)</b> 57:12</p>	<p><b>ma'am (1)</b> 27:24</p>	<p><b>matter (6)</b> 8:17;36:2,3;39:16; 66:7;69:13</p>
<p><b>lands (2)</b> 59:13,15</p>	<p><b>LEMA's (3)</b> 15:3;23:18;52:5</p>	<p><b>limited (5)</b> 23:5;43:11;47:18; 56:25;64:23</p>	<p><b>mail (1)</b> 7:7</p>	<p><b>matters (1)</b> 36:3</p>
<p><b>Lane (6)</b> 49:9,14,18;50:2,8; 53:6</p>	<p><b>LEMA-style (1)</b> 56:25</p>	<p><b>limits (4)</b> 23:17;33:24;57:23; 61:1</p>	<p><b>mailed (2)</b> 5:5;7:14</p>	<p><b>maximum (2)</b> 56:4;62:24</p>
<p><b>Langworthy (16)</b> 30:7,8;37:19,20; 48:21;49:2,4,5;53:17, 19;60:12,13;65:16, 17;69:2,3</p>	<p><b>LEMA's (3)</b> 15:3;23:18;52:5</p>	<p><b>line (6)</b> 24:13;26:19;29:24; 42:3;44:2;51:22</p>	<p><b>main (3)</b> 48:14;50:13;60:25</p>	<p><b>may (13)</b> 5:24;6:4,19,23;7:3, 4;31:3;37:15;44:17, 17;61:9;63:10;66:8</p>
<p><b>large (2)</b> 33:17;38:12</p>	<p><b>LEMA-style (1)</b> 56:25</p>	<p><b>list (1)</b> 53:25</p>	<p><b>maintain (5)</b> 11:2;33:6;35:9; 51:14;62:14</p>	<p><b>McDonnell (1)</b> 17:1</p>
<p><b>larger (2)</b> 29:16;47:20</p>	<p><b>Leoti (1)</b> 4:13</p>	<p><b>little (9)</b> 26:5;27:7,10;31:25; 39:25;50:19;51:10; 52:7;54:3</p>	<p><b>maintained (1)</b> 18:17</p>	<p><b>mean (3)</b> 35:11;45:9;48:12</p>
<p><b>last (9)</b> 9:3;18:22;20:13,22; 27:16;28:7;40:9; 45:22;49:20</p>	<p><b>less (12)</b> 20:24;23:10;26:4; 43:17;44:10;47:16, 16,19;52:3;57:13; 62:18,22</p>	<p><b>LLC (1)</b> 16:23</p>	<p><b>maintaining (5)</b> 13:9;14:14;23:19; 34:3;65:9</p>	<p><b>meaningful (9)</b> 13:22;31:11;34:3, 15;35:4;36:8;37:3; 52:14;64:12</p>
<p><b>later (2)</b> 32:10;57:12</p>	<p><b>lessons (1)</b> 34:9</p>	<p><b>Local (8)</b> 4:21;17:4;22:4; 34:16;36:19,24; 54:23;55:9</p>	<p><b>majority's (1)</b> 23:15</p>	<p><b>meaningfully (1)</b> 26:10</p>
<p><b>latter (1)</b> 20:25</p>	<p><b>Letourneau (11)</b> 49:9;50:2,7,8; 51:12,20;52:8,20,22; 53:10,13</p>	<p><b>locally-developed (2)</b> 13:7;34:25</p>	<p><b>makes (1)</b> 62:9</p>	<p><b>means (2)</b> 40:6;59:6</p>
<p><b>law (2)</b> 55:7;66:18</p>	<p><b>letter (1)</b> 57:17</p>	<p><b>locally-driven (3)</b> 13:17;14:20;37:6</p>	<p><b>making (1)</b> 23:20</p>	<p><b>meant (1)</b> 52:7</p>
<p><b>lead (1)</b> 18:21</p>	<p><b>level (15)</b> 12:20;14:1;21:20, 23;22:4,7;32:18;35:6; 41:19,25;42:4;56:20, 23;57:25;59:17</p>	<p><b>long (11)</b> 51:13;53:25;54:5,5, 8,13,15,19;60:9,21; 61:3</p>	<p><b>manage (1)</b> 29:12</p>	<p><b>measure (1)</b> 64:17</p>
<p><b>learned (1)</b> 34:9</p>	<p><b>levels (15)</b> 18:10,18,21;21:11, 15,16;22:1;23:20,20; 35:5,6,9;37:5;39:1,23</p>	<p><b>L-o-n-g (1)</b> 54:6</p>	<p><b>Management (29)</b> 4:21;5:20;8:24; 9:18,22;11:6,25;12:5, 6,23;13:17;14:8,11; 16:24;17:4;34:4,25; 36:8,17;45:13;49:11; 50:17;54:17,24; 55:10;58:1,5,7;64:21</p>	<p><b>measured (1)</b> 35:21</p>
<p><b>least (1)</b> 43:8</p>	<p><b>LEWIS (64)</b> 4:3,4;11:8,21; 15:15,18;26:21; 27:25;30:4,7,9,18,22, 25;31:3,12,14,16; 37:16,21;41:9,17; 43:3,15,21,24;44:1, 25;45:4,22;46:7,16, 24;47:5,21;48:19,22, 25;49:19;51:3,6,17, 24;52:16,21,24;53:15, 20;54:14;60:9,12,14, 24;61:4,9,20;65:13, 16,18,21;67:11; 68:24;69:2,4</p>	<p><b>longer (2)</b> 44:11;64:21</p>	<p><b>manager (5)</b> 9:13;12:1;49:10,12; 50:9</p>	<p><b>measures (1)</b> 11:2</p>
<p><b>leave (2)</b> 26:18,24</p>	<p><b>license (1)</b> 16:14</p>	<p><b>long-standing (1)</b> 12:20</p>	<p><b>managing (2)</b> 33:19;37:7</p>	<p><b>medication (3)</b> 10:18,23;11:1</p>
<p><b>led (1)</b> 13:23</p>	<p><b>life (1)</b> 62:9</p>	<p><b>long-term (11)</b> 14:19;15:8;20:17; 21:16;34:3;55:19,25; 58:12;59:23;64:20,21</p>	<p><b>Manhattan (1)</b> 7:11</p>	<p><b>meet (3)</b> 51:15,15,18</p>
<p><b>Lee (1)</b> 40:17</p>	<p><b>likely (4)</b> 21:24;23:3;25:19; 47:23</p>	<p><b>look (4)</b> 14:1;21:1;39:2; 46:4</p>	<p><b>many (5)</b> 14:2;42:24;44:17; 62:3;65:1</p>	<p><b>meeting (3)</b> 8:8;32:24;51:1</p>
<p><b>left (2)</b> 18:8;19:3</p>	<p><b>Likewise (1)</b> 62:5</p>	<p><b>looking (2)</b> 22:11;41:15</p>	<p><b>mapping (1)</b> 40:9</p>	<p><b>meetings (4)</b> 10:8;28:13;32:13, 16</p>
<p><b>legal (1)</b> 8:23</p>		<p><b>looks (2)</b> 21:22;24:1</p>	<p><b>March (1)</b> 58:6</p>	<p><b>member (2)</b> 6:19;67:22</p>
<p><b>legislative (2)</b> 9:19;55:5</p>		<p><b>losing (1)</b> 28:14</p>	<p><b>Mark (1)</b> 10:1</p>	<p><b>members (3)</b> 9:25;10:2;54:15</p>
<p><b>LEMA (119)</b> 4:23,25;5:5;8:4,7,9, 14;9:2;10:10;12:18, 19,22;13:4,6,10,15, 16,21,23;14:3,6,22; 15:7;17:9;18:25;19:6, 17,19,22;20:1,2,7,8; 21:8,17;22:12,19,20, 22;23:2,11,13;24:1,4, 7,9,10,13;25:3,6,11; 26:2,4,6,9;27:6;29:9; 32:2,6,22;33:4,9,12, 14,15,22;34:10,12,15, 20,22,24;35:17,20; 36:7,11,18,21,22; 37:2,6,11;38:19;</p>		<p><b>lot (7)</b> 28:12,15;39:9; 47:25;67:23;68:1,9</p>	<p><b>marked (1)</b> 19:4</p>	<p><b>memory (1)</b> 60:17</p>
		<p><b>lower (1)</b> 18:23</p>	<p><b>market (1)</b> 14:12</p>	<p><b>mentality (1)</b> 64:7</p>
			<p><b>master's (2)</b> 11:24;16:15</p>	<p><b>mentioned (2)</b> 8:22;37:24</p>
			<p><b>materials (1)</b> 17:11</p>	<p><b>met (1)</b> 50:23</p>
			<p><b>math (1)</b> 38:5</p>	<p><b>microphone (2)</b> 23:24;27:3</p>
			<p><b>Matt (4)</b> 53:25;54:5,8,19</p>	<p><b>mid-1990s (1)</b> 20:13</p>
				<p><b>middle (1)</b> 44:9</p>
				<p><b>might (2)</b> 47:13;68:14</p>
				<p><b>million (1)</b></p>

14:13 <b>mind (2)</b> 55:21;68:19 <b>mindful (1)</b> 36:6 <b>mischaracterizing (1)</b> 47:6 <b>misrepresenting (1)</b> 38:9 <b>mix (1)</b> 42:15 <b>Mm-hmm (1)</b> 47:21 <b>moderate (1)</b> 23:6 <b>modern (1)</b> 63:2 <b>modification (1)</b> 54:22 <b>modify (2)</b> 60:5,16 <b>modifying (1)</b> 59:11 <b>moment (1)</b> 65:25 <b>monitoring (5)</b> 40:12,19;41:1,6; 62:10 <b>months (1)</b> 10:20 <b>more (18)</b> 14:10,24;22:4;25:6; 28:20;32:7;40:23; 44:25;45:14;47:16; 56:17;59:13;62:22; 63:5;64:14;65:2,10; 67:8 <b>morning (1)</b> 4:3 <b>most (10)</b> 15:3;17:17;18:2,19; 20:14;21:4;23:3;26:2; 33:10;64:19 <b>move (5)</b> 19:13,14;21:21; 23:24;26:25 <b>movement (1)</b> 45:17 <b>moves (1)</b> 44:14 <b>moving (2)</b> 23:21;62:7 <b>much (3)</b> 12:15;68:8,11 <b>multiple (1)</b> 55:7 <b>multiyear (1)</b> 39:16 <b>municipal (1)</b> 32:16 <b>must (3)</b> 7:14;14:4;66:5 <b>myself (2)</b>	50:12,23  <b>N</b>  <b>name (17)</b> 4:4;7:23;11:12,22; 15:24;27:2,3,10,14, 15,16;49:22;54:2,5, 19;61:11;67:12 <b>narrative (2)</b> 12:12;25:9 <b>narratives (1)</b> 25:22 <b>Native (1)</b> 5:3 <b>nature (2)</b> 62:1;64:25 <b>navigate (1)</b> 63:17 <b>near (3)</b> 21:13;23:20;63:20 <b>nearly (1)</b> 14:13 <b>necessarily (1)</b> 38:2 <b>necessary (6)</b> 13:19;15:7;22:9; 23:19;56:9;59:12 <b>need (8)</b> 13:21;21:25;27:11; 29:19;37:17;48:10; 65:10;68:19 <b>needed (4)</b> 12:24;21:16;36:16; 65:8 <b>needs (3)</b> 26:24;30:21;62:5 <b>new (1)</b> 41:2 <b>newly (1)</b> 56:16 <b>Next (11)</b> 20:9;21:1;22:10; 24:17,22;31:23;39:2; 41:9;43:3;44:2;61:6 <b>none (2)</b> 8:16;65:25 <b>nonirrigation (1)</b> 21:7 <b>nonuse (2)</b> 34:8;64:13 <b>nonvested (3)</b> 13:11;41:15,17 <b>normal (2)</b> 63:20,21 <b>northwest (1)</b> 12:1 <b>note (3)</b> 9:16,20;10:13 <b>noted (2)</b> 6:7;10:10 <b>notice (2)</b> 5:2,6	<b>NRCS (1)</b> 12:2 <b>Number (6)</b> 5:20;40:21;50:17, 21;54:17;65:10 <b>numbers (5)</b> 17:15;24:16;51:22; 64:13,15 <b>numerous (1)</b> 10:6  <b>O</b>  <b>oath (1)</b> 7:23 <b>observations (2)</b> 50:13,15 <b>observed (1)</b> 14:16 <b>obtain (2)</b> 21:25;46:22 <b>obtained (1)</b> 16:15 <b>obviously (4)</b> 42:15,23;44:21; 51:9 <b>occurs (1)</b> 63:11 <b>odds (1)</b> 64:24 <b>off (2)</b> 61:8;68:17 <b>offer (1)</b> 67:9 <b>offering (1)</b> 69:11 <b>officer (4)</b> 4:7;9:10;49:8; 50:16 <b>Ogallala (3)</b> 12:21;28:8;35:13 <b>one (21)</b> 7:25;10:16;13:17; 15:3;21:21;23:10; 28:25;30:9;32:24; 36:10;40:10;44:3,25; 45:12,22;46:5;48:13; 53:24;65:5;66:18; 67:8 <b>ones (4)</b> 44:2,9;52:13,19 <b>on-farm (1)</b> 45:13 <b>ongoing (2)</b> 38:22,24 <b>only (3)</b> 7:25;29:1;62:1 <b>open (1)</b> 15:13 <b>operates (1)</b> 57:25 <b>operating (2)</b> 14:25;23:17	<b>operation (2)</b> 64:22;68:13 <b>operations (1)</b> 56:9 <b>opinion (5)</b> 28:6;30:2,24;31:2, 15 <b>opinions (2)</b> 28:16;63:25 <b>opportunity (9)</b> 6:15;8:25;9:2; 12:15;17:8;28:23; 54:18;60:8;66:1 <b>option (4)</b> 33:12;63:9,13; 66:23 <b>options (1)</b> 63:4 <b>oral (8)</b> 17:8,10;37:13; 65:23;66:1,3;67:9; 69:13 <b>order (18)</b> 5:10,11,14;6:7,25; 14:4;20:20;29:23; 30:23;31:7;32:13; 66:16,17;67:1,2,3,3,5 <b>organization (1)</b> 27:4 <b>organizations (1)</b> 6:21 <b>original (15)</b> 10:10;13:4,10;20:7; 24:6,21;25:3,24;33:8, 12;46:9,12;47:23; 56:15;64:10 <b>others (1)</b> 40:8 <b>otherwise (1)</b> 37:4 <b>out (10)</b> 10:15;23:23;26:19; 30:1;40:19;48:9;51:8; 60:19;67:8;69:8 <b>outcomes (2)</b> 15:4;32:19 <b>outline (1)</b> 5:10 <b>outlined (1)</b> 5:14 <b>outreach (2)</b> 13:1;45:15 <b>over (21)</b> 15:10,19;18:5,10, 18;19:11;28:23;29:3; 32:25;38:6;45:9; 49:18,21;56:14; 58:20;59:4,7;62:12; 63:9;64:1,2 <b>Overall (7)</b> 6:13;14:11;19:16; 32:22;34:11;38:9; 63:7	<b>overappropriation (1)</b> 12:21 <b>overlap (2)</b> 59:25;61:1 <b>overlapping (2)</b> 56:22;57:5 <b>overlook (1)</b> 45:7 <b>own (4)</b> 28:17;42:18;57:15; 68:13 <b>owner (1)</b> 5:4 <b>owners (1)</b> 6:20  <b>P</b>  <b>page (11)</b> 17:15,19;19:14,15; 20:10,10;21:1,2; 22:13;43:4;46:8 <b>pages (2)</b> 17:20;22:14 <b>paired (1)</b> 37:1 <b>panel (2)</b> 18:8,12 <b>parenthetically (1)</b> 9:17 <b>Park (1)</b> 7:11 <b>part (7)</b> 14:19;17:10;29:5; 32:12;41:7;45:21; 66:9 <b>partially (2)</b> 44:6;47:13 <b>participant (2)</b> 54:20;60:23 <b>participants (7)</b> 10:7;44:21;45:12; 57:8;59:19;60:18,22 <b>participate (1)</b> 5:21 <b>participating (4)</b> 45:14;56:10;69:10, 12 <b>particular (6)</b> 17:14,20;18:15; 30:17;32:25;50:19 <b>parties (4)</b> 5:19,24,25;6:23 <b>part-time (1)</b> 16:25 <b>party (2)</b> 6:3,14 <b>past (5)</b> 49:14;50:19,22; 62:12;68:14 <b>patient (3)</b> 10:17,20,22 <b>pause (3)</b>
--	--	---	--	--

<p>17:16;26:24;31:18  <b>penalizes (2)</b>          60:1;61:1  <b>people (4)</b>          28:10;39:10,13;          53:23  <b>people's (2)</b>          44:15;68:10  <b>per (7)</b>          14:2;18:20;20:21,          25:58;15,17;59:3  <b>percentage (1)</b>          30:17  <b>perfect (1)</b>          64:2  <b>performance (2)</b>          13:19;19:17  <b>performed (1)</b>          33:15  <b>performing (1)</b>          22:12  <b>period (45)</b>          13:5,13;19:7,20;          20:1,18,20,25;22:13,          19,22;23:8,11;24:5,9,          11,18,21,22;25:2,11,          16,21;26:4,7;29:1;          32:6;33:14;34:10;          38:6;41:20;42:5,9,13;          46:19;47:1,2,11,23,          24;56:14;58:20;59:4,          8;63:19  <b>periods (1)</b>          42:5  <b>permitted (1)</b>          6:1  <b>persisted (1)</b>          12:22  <b>person (1)</b>          7:25  <b>perspective (4)</b>          15:2;34:23;35:16;          36:20  <b>pertains (1)</b>          40:1  <b>phase (8)</b>          5:16,17,23;6:9,17,          25;8:16,17  <b>phases (1)</b>          5:15  <b>physical (1)</b>          63:15  <b>place (5)</b>          6:22;24:7;32:8;          59:17;68:2  <b>placed (1)</b>          7:23  <b>plan (38)</b>          4:15,23;8:4;25:6,          23;26:15;30:13;32:2,          7,22,24;33:3;36:5,8,          23;37:12;38:19,21,22,          25;39:22;46:21;48:3,          3;50:12;51:13,22,22;          58:1,5,7;66:18,19,21,          23,24;67:2,6  <b>planning (2)</b>          26:22;62:19  <b>plans (1)</b>          12:8  <b>plan's (3)</b>          8:7,8,10  <b>planted (1)</b>          62:25  <b>play (1)</b>          45:8  <b>plays (1)</b>          45:18  <b>please (11)</b>          4:16;7:23,24;8:2;          11:11;15:24;17:6;          27:2,14;47:6;54:2  <b>plots (1)</b>          21:3  <b>plus (2)</b>          50:20;65:4  <b>point (11)</b>          21:12;22:19;23:14;          36:10,11;42:20;43:5;          44:16;51:8;52:9;62:7  <b>points (5)</b>          20:17;22:12,16;          23:1;38:15  <b>policy (1)</b>          12:5  <b>portion (12)</b>          5:22;26:25;27:1;          31:19,19,24;35:12;          40:2;52:13;53:21,22;          57:21  <b>portions (1)</b>          33:2  <b>possible (1)</b>          62:10  <b>possibly (2)</b>          48:10;68:8  <b>posted (3)</b>          5:12;7:16,18  <b>postmarked (2)</b>          7:15;66:6  <b>practice (1)</b>          16:23  <b>practiced (1)</b>          16:22  <b>practices (2)</b>          14:11;62:13  <b>preceded (1)</b>          13:15  <b>precipitation (2)</b>          19:2,5  <b>predictable (1)</b>          14:8  <b>pre-hearing (4)</b>          5:8,10,14;6:7  <b>prescribed (1)</b>          10:18  <b>present (5)</b>          5:24;6:15;9:1;17:8;          49:15  <b>presentation (9)</b>          9:5,24;10:9;12:13;          15:11,14;17:10;          20:16;37:14  <b>presented (6)</b>          5:18;6:11;32:17;          35:3;52:1;69:9  <b>presenter (1)</b>          61:6  <b>preserve (3)</b>          15:7;33:6;65:6  <b>preserved (1)</b>          58:25  <b>preserves (3)</b>          34:1;59:20;63:13  <b>pressure (3)</b>          10:18,19,21  <b>preventing (2)</b>          34:2;55:15  <b>previous (2)</b>          41:24;42:12  <b>previously (1)</b>          4:23  <b>prewater (1)</b>          19:6  <b>primarily (1)</b>          43:11  <b>primary (1)</b>          8:2  <b>principally (3)</b>          17:3,22;44:16  <b>Prior (2)</b>          12:22;58:15  <b>prioritizing (1)</b>          14:23  <b>priority (1)</b>          13:25  <b>Pritchard (1)</b>          12:3  <b>probably (4)</b>          17:17;29:19;31:4;          37:24  <b>problem (1)</b>          35:11  <b>problems (2)</b>          56:21;57:2  <b>procedure (1)</b>          46:21  <b>procedures (3)</b>          4:20;5:9,11  <b>Proceed (5)</b>          11:21;15:20;17:5;          61:21;66:14  <b>proceeded (1)</b>          12:2  <b>proceeding (1)</b>          25:25  <b>proceedings (3)</b>          6:6,9;69:15  <b>process (13)</b>          9:22;10:3;13:2;          17:23;29:5,24;32:1,          12;33:11;34:13;          36:24;41:8;62:10  <b>processes (1)</b>          39:5  <b>produce (1)</b>          21:11  <b>produced (1)</b>          14:6  <b>producers (8)</b>          13:8;14:9,18,24;          40:25;65:1;68:5,21  <b>producing (1)</b>          62:22  <b>production (2)</b>          62:16;68:10  <b>professional (2)</b>          9:14;16:14  <b>profitability (1)</b>          62:15  <b>profitable (2)</b>          62:17;65:2  <b>Program (8)</b>          49:10,12;50:8;          55:18;56:11;57:13;          59:14,24  <b>programs (2)</b>          56:22;60:1  <b>progress (8)</b>          13:22;15:1,8;23:21;          32:6;35:4;37:5;41:7  <b>progressively (2)</b>          56:20;59:23  <b>projected (7)</b>          22:18,21,21;23:7,          10;32:19;43:5  <b>prolonged (1)</b>          20:18  <b>pronounced (1)</b>          20:22  <b>proposal (1)</b>          6:19  <b>proposed (11)</b>          5:5;8:4,10,14;27:6;          33:2;50:14,20;56:16;          66:19;67:5  <b>proposing (1)</b>          46:17  <b>proprietor (1)</b>          16:23  <b>protect (1)</b>          65:11  <b>protection (1)</b>          55:19  <b>proved (2)</b>          31:1;65:2  <b>proven (1)</b>          35:22  <b>provide (9)</b>          8:5;12:16;27:8;          54:18;57:14;58:11;          65:23;66:1,2  <b>provided (9)</b>          7:3;17:11;50:25;          52:11;59:8;63:4,14;          66:3,3  <b>provides (5)</b>          6:24;25:6;55:7;          64:7,25  <b>providing (3)</b>          13:8;14:7;55:12  <b>provisions (3)</b>          8:8;36:15;38:25  <b>Provost (1)</b>          12:2  <b>psychological (2)</b>          68:5,9  <b>public (17)</b>          5:2,21;6:18,19,20;          13:1,19;31:25;32:13;          35:25;36:24;37:8;          38:22;40:24;45:15;          48:15;55:17  <b>published (1)</b>          5:2  <b>pump (7)</b>          39:20;42:23;43:12;          44:11,11;62:22;63:5  <b>pumping (36)</b>          18:9,16,20,24;19:2,          3,4,5,10;20:21;21:10,          11,13,15;23:3,12,20;          24:4;25:11;26:1,4,6,          9;35:4;36:15;37:3;          39:1,23;42:12,18;          44:9;56:2,14;62:24;          64:22;68:12  <b>purely (1)</b>          40:22  <b>purpose (6)</b>          6:13;8:3;9:17;          12:18;21:9;55:11  <b>pursuant (5)</b>          4:18,24;5:1;66:15,          15  <b>pursue (1)</b>          48:17  <b>put (2)</b>          31:8;35:18  </p>	<p><b>Q</b>  <b>Q-Stable (30)</b>          14:2;18:14,16,24;          21:5,13;22:5,5;23:20;          29:10;32:18;37:25;          38:3,7,10,20,24;39:1,          8,11,23;40:5,11,21;          50:21;51:21,23;          61:25;62:7;65:9  <b>qualifications (1)</b>          16:10  <b>quantities (1)</b>          25:19  <b>quantity (2)</b></p>
--	--

<p>46:15;58:8  <b>quick (3)</b>                  11:9;41:15;46:3  <b>quit (1)</b>                  10:23  <b>quite (2)</b>                  25:20;40:7</p>	<p><b>receive (3)</b>                  9:11;37:17;49:20  <b>received (3)</b>                  7:16,17;9:8  <b>receiving (1)</b>                  65:3  <b>recent (14)</b>                  15:7;18:2,5,8,19,23,                  24;20:14;21:4,12,19;                  35:7,18;51:11  <b>recite (1)</b>                  11:6  <b>recognized (2)</b>                  33:21;37:25  <b>reconcile (2)</b>                  38:8,12  <b>record (18)</b>                  4:4;6:16,22;7:1;                  11:12;15:24;25:14;                  37:9,17;50:7;54:18;                  60:8;61:8;66:7,10,13,                  14;69:12  <b>redesign (1)</b>                  35:21  <b>reduce (1)</b>                  13:6  <b>reduced (10)</b>                  10:21;14:8;20:21;                  26:9;35:4;58:16;59:3;                  61:24;62:15;65:3  <b>reduces (1)</b>                  59:19  <b>reduction (8)</b>                  19:4,10,11,12;56:1,                  13;58:20,25  <b>reductions (1)</b>                  57:9  <b>reference (1)</b>                  17:15  <b>referenced (2)</b>                  4:25;37:25  <b>referred (1)</b>                  52:18  <b>refers (1)</b>                  52:13  <b>refined (1)</b>                  35:2  <b>refinements (2)</b>                  34:7;35:23  <b>refining (1)</b>                  41:5  <b>reflect (2)</b>                  34:9;36:9  <b>reflects (3)</b>                  36:24;62:8;64:23  <b>regard (1)</b>                  9:23  <b>regarding (6)</b>                  4:21;8:6;12:12;                  43:4;63:25;66:17  <b>region (3)</b>                  12:10;40:9;43:2  <b>Register (1)</b></p>	<p>5:4  <b>regulated (5)</b>                  13:11;19:18,23;                  20:8;21:8  <b>regulation (1)</b>                  15:6  <b>regulatory (3)</b>                  32:4;60:2,25  <b>reject (2)</b>                  66:19,25  <b>relate (1)</b>                  19:1  <b>related (5)</b>                  18:4,10;21:21;                  25:10;34:7  <b>relates (1)</b>                  18:12  <b>relationship (2)</b>                  6:11;18:7  <b>relationships (1)</b>                  19:4  <b>Relative (1)</b>                  43:6  <b>relevant (2)</b>                  6:12;8:12  <b>reliability (1)</b>                  40:16  <b>remain (3)</b>                  33:7;45:19;62:20  <b>remainder (1)</b>                  58:8  <b>remained (2)</b>                  34:13;36:6  <b>remaining (3)</b>                  22:23;23:11;63:6  <b>remains (3)</b>                  13:24;35:12;65:5  <b>remember (3)</b>                  7:25;8:2;66:5  <b>remind (1)</b>                  7:20  <b>removed (2)</b>                  24:11,17  <b>removing (1)</b>                  35:18  <b>renewal (28)</b>                  9:4;11:1;15:6;17:9;                  24:1,5;25:2,11,15,21;                  26:2,7,15;32:2,20,22;                  33:11;34:15,19,22;                  35:20;36:5,8,11,23;                  37:12;39:2;68:3  <b>renewed (2)</b>                  14:4;63:13  <b>repeat (1)</b>                  53:9  <b>replenishes (1)</b>                  62:1  <b>report (1)</b>                  18:19  <b>reported (1)</b>                  22:17  <b>reporter (6)</b></p>	<p>7:21;11:11;15:23;                  27:13;49:21,22  <b>representing (1)</b>                  27:4  <b>represents (4)</b>                  34:22;37:6;56:19;                  64:4  <b>request (5)</b>                  54:22;55:2;60:4,16;                  66:15  <b>requests (1)</b>                  37:10  <b>require (2)</b>                  22:6;59:13  <b>required (3)</b>                  56:24;57:9;58:25  <b>requirements (6)</b>                  32:5;55:23;56:3,11;                  58:18;59:24  <b>requires (1)</b>                  58:3  <b>requiring (2)</b>                  57:4;64:20  <b>Research (1)</b>                  7:11  <b>resolution (2)</b>                  22:3,6  <b>resource (2)</b>                  11:25;37:8  <b>Resources (7)</b>                  4:6;5:21;16:16,19,                  20;50:10;54:16  <b>respect (1)</b>                  38:18  <b>respectfully (2)</b>                  37:10;60:4  <b>response (1)</b>                  12:19  <b>responsibility (2)</b>                  34:14;36:6  <b>responsive (1)</b>                  52:2  <b>rest (1)</b>                  25:5  <b>restores (1)</b>                  59:18  <b>restrictions (1)</b>                  57:1  <b>restrictive (3)</b>                  57:13;59:14,23  <b>resubmit (1)</b>                  66:23  <b>result (3)</b>                  24:15;25:1;33:16  <b>resulting (1)</b>                  64:13  <b>results (4)</b>                  10:12;11:3;57:10;                  59:4  <b>retaining (1)</b>                  34:16  <b>retired (1)</b>                  16:21</p>	<p><b>return (5)</b>                  48:10;59:21;63:23;                  66:20,24  <b>returned (1)</b>                  62:2  <b>reversal (1)</b>                  35:15  <b>review (7)</b>                  20:9;23:25;31:25;                  32:8,9;36:12;66:13  <b>reviewed (2)</b>                  35:1;50:12  <b>reviewing (1)</b>                  12:17  <b>reviews (2)</b>                  32:5;38:22  <b>revise (1)</b>                  66:23  <b>revisiting (1)</b>                  36:14  <b>reward (2)</b>                  56:7;68:7  <b>right (28)</b>                  5:4;6:20;13:9;                  15:17;16:24;18:12,                  13;19:3;23:16;29:14;                  30:4;31:16,18;37:4;                  43:3;46:23;48:19;                  49:2,19;51:6;52:24;                  53:9;54:19;55:13;                  57:15,18,24;69:7  <b>rights (8)</b>                  13:12;24:9;46:11,                  18,18;47:1;52:3;                  64:11  <b>risk (2)</b>                  35:14,18  <b>robust (2)</b>                  31:25;36:23  <b>Ronda (1)</b>                  7:7  <b>R-o-n-d-a (1)</b>                  7:8  <b>rondahutton@ksgov (1)</b>                  7:12  <b>room (1)</b>                  28:10  <b>rotations (1)</b>                  62:14  <b>roughly (5)</b>                  43:8,17,21;46:25;                  59:7  <b>rule (1)</b>                  57:6  <b>rules (2)</b>                  6:8;59:9</p>
<b>S</b>				
<p><b>sacrifice (1)</b>                  14:21  <b>safeguards (1)</b>                  37:1</p>				

<b>sake (1)</b> 49:7	28:20;56:3;58:18, 19	<b>small (1)</b> 25:20	25;35:9;37:5	<b>subject (1)</b> 59:13
<b>same (10)</b> 14:25;19:5;30:18; 33:4,20;35:10;36:5; 57:11;59:2,8	<b>seven-year (1)</b> 29:1	<b>Smith (10)</b> 61:6,7,9,11,11,14, 19,22;65:13,20	<b>stakeholder (1)</b> 32:13	<b>subjecting (1)</b> 57:10
<b>save (3)</b> 45:19;64:1;68:17	<b>several (4)</b> 18:3;48:7,8;62:3	<b>S-m-i-t-h (1)</b> 61:12	<b>stakeholders (8)</b> 10:6;13:3;22:2; 32:21;33:2,3,17;36:1	<b>submission (1)</b> 37:18
<b>saved (2)</b> 29:2,3	<b>severe (2)</b> 63:11,22	<b>sociological (1)</b> 45:8	<b>stand (1)</b> 51:2	<b>submit (3)</b> 49:13;66:8,11
<b>savings (4)</b> 50:15;52:5,12; 58:12	<b>shall (1)</b> 7:1	<b>sole (1)</b> 16:23	<b>Standard (1)</b> 69:16	<b>submitted (7)</b> 4:23;9:7;36:21; 37:12;50:12;63:1; 66:6
<b>saying (1)</b> 53:1	<b>shape (1)</b> 10:22	<b>sometimes (1)</b> 57:5	<b>start (3)</b> 8:16;17:19;39:1	<b>submitting (1)</b> 7:13
<b>scale (2)</b> 12:25;21:15	<b>shaped (1)</b> 36:4	<b>somewhat (1)</b> 38:1	<b>started (3)</b> 10:10;42:19;68:1	<b>subsequent (4)</b> 4:25;33:14;47:24; 58:9
<b>scenarios (1)</b> 32:20	<b>share (1)</b> 55:11	<b>soon (1)</b> 26:22	<b>starting (2)</b> 24:5;42:1	<b>subset (5)</b> 23:16;26:11;37:3; 52:2,14
<b>scheme (2)</b> 30:13;38:13	<b>shared (3)</b> 14:19;15:3;37:7	<b>sorry (2)</b> 45:4;68:22	<b>state (6)</b> 7:23;11:11;15:23; 16:21;27:3,13	<b>substantial (2)</b> 23:16;41:25
<b>Science (2)</b> 16:12,15	<b>sheet (2)</b> 4:15,17	<b>sort (8)</b> 9:16;17:14;23:23; 42:11,13,19;48:1; 68:2	<b>stated (3)</b> 8:8;19:9;49:4	<b>substantially (3)</b> 23:15;39:7,12
<b>seats (1)</b> 8:18	<b>shift (2)</b> 14:23;22:10	<b>sorts (1)</b> 39:3	<b>State's (1)</b> 16:20	<b>subtracting (1)</b> 20:5
<b>second (7)</b> 24:13;25:22;36:23; 39:6;47:2;57:6;63:9	<b>short-term (1)</b> 14:20	<b>sound (1)</b> 55:3	<b>stating (1)</b> 57:18	<b>succeed (1)</b> 64:18
<b>secondly (1)</b> 25:14	<b>show (4)</b> 19:4;23:5,6;26:8	<b>speak (6)</b> 7:24;17:13;38:15; 48:4;53:24;69:6	<b>Statute (3)</b> 55:2;59:12;66:15	<b>success (3)</b> 61:22;64:17,25
<b>Section (4)</b> 23:24,25;25:5,17	<b>showed (1)</b> 52:11	<b>speaking (2)</b> 8:1;34:22	<b>statutes (2)</b> 55:11,17	<b>successfully (1)</b> 33:15
<b>Seeing (3)</b> 8:16;10:4;65:25	<b>showing (1)</b> 20:15	<b>specializes (1)</b> 12:4	<b>statutory (3)</b> 32:4;55:4,21	<b>sufficiency (1)</b> 8:10
<b>seek (1)</b> 40:19	<b>shown (2)</b> 9:18;20:9	<b>specific (5)</b> 32:23,23;38:20; 57:14;66:24	<b>stay (1)</b> 44:15	<b>sufficient (1)</b> 36:25
<b>seems (2)</b> 38:1,12	<b>shows (8)</b> 18:8;19:18,23; 20:11,18;22:25,25; 35:3	<b>specifically (8)</b> 12:5;18:1;34:4; 40:1,2;41:5;45:5;63:5	<b>steady (1)</b> 20:18	<b>suggest (1)</b> 26:1
<b>selected (1)</b> 13:14	<b>shut (1)</b> 68:17	<b>spectrum (2)</b> 23:9;43:16	<b>step (1)</b> 22:9	<b>suggesting (1)</b> 30:12
<b>sense (2)</b> 48:17;63:16	<b>side (1)</b> 68:9	<b>spell (4)</b> 11:12;15:23;27:13; 54:1	<b>Stephanie (1)</b> 4:8	<b>suggestions (1)</b> 66:24
<b>separate (1)</b> 49:7	<b>sign (1)</b> 4:14	<b>spelled (1)</b> 54:5	<b>stepping (1)</b> 34:21	<b>summarize (2)</b> 39:8;49:15
<b>sequence (1)</b> 23:23	<b>signed (1)</b> 65:22	<b>spelling (1)</b> 49:23	<b>steps (1)</b> 64:12	<b>summarizing (1)</b> 34:18
<b>series (1)</b> 42:8	<b>significant (6)</b> 23:14;26:3;33:10; 42:17;43:1;57:1	<b>spend (2)</b> 31:24;41:4	<b>still (2)</b> 51:10;66:2	<b>summary (2)</b> 17:13;18:2
<b>serve (1)</b> 49:5	<b>significantly (4)</b> 10:21;14:1;26:6; 64:24	<b>spent (1)</b> 40:7	<b>stock (1)</b> 32:15	<b>summed (1)</b> 22:18
<b>served (1)</b> 11:25	<b>sign-in (3)</b> 4:16;7:9;66:12	<b>spoken (1)</b> 48:2	<b>stop (1)</b> 11:8	<b>Sun (1)</b> 5:3
<b>service (1)</b> 16:22	<b>simply (1)</b> 10:4	<b>spread (1)</b> 60:19	<b>strategy (3)</b> 14:20;56:1;64:20	<b>supplement (1)</b> 42:7
<b>Services (1)</b> 49:12	<b>situations (1)</b> 48:8	<b>stab (1)</b> 42:6	<b>stricter (1)</b> 57:11	<b>supplementing (1)</b> 64:25
<b>serving (1)</b> 4:7	<b>slope (1)</b> 42:3	<b>stability (3)</b> 12:9;14:13;21:16	<b>strictly (1)</b> 6:8	<b>support (9)</b> 9:4;15:8;17:9;23:4; 33:3;34:16;55:18; 65:7;69:11
<b>set (2)</b> 8:12;25:25	<b>slowed (6)</b> 14:1,18;26:9;35:5, 6,7	<b>stable (7)</b> 18:17,21;21:11,20,	<b>strong (3)</b> 33:16;34:1;65:3	<b>supported (1)</b> 36:23
<b>sets (1)</b> 57:6	<b>slowly (1)</b> 44:14		<b>strongly (1)</b> 26:1	<b>supporting (1)</b>
<b>seven (4)</b>			<b>structure (1)</b> 58:21	

<p>21:19  <b>sure (8)</b>                  11:9;15:25;30:10;                  37:23;38:14;41:11;                  46:9;52:25  <b>Survey (5)</b>                  14:3;17:21;32:17;                  35:8;36:14  <b>sustain (2)</b>                  56:9;62:25  <b>sustainability (2)</b>                  12:7,8  <b>Sustainable (1)</b>                  12:6  <b>sustained (2)</b>                  26:11;56:8  <b>swear (1)</b>                  15:22  <b>sworn (13)</b>                  11:9,17;15:19;16:4;                  27:12,20;50:3;54:2,9;                  61:10,15;67:12,17  <b>system (2)</b>                  40:12;63:15  <b>systems (3)</b>                  14:10;39:17;62:13</p>	<p><b>testify (9)</b>                  8:18;11:17;16:4;                  26:18;27:20;50:3;                  54:9;61:15;67:17  <b>testifying (2)</b>                  6:2;7:24  <b>testimony (49)</b>                  4:16;5:18,24;6:11;                  7:3,4,7,13,22;8:6;9:6,                  12,14;12:12,16;                  15:10;17:8,12;19:9;                  21:2;22:14;25:23;                  31:17,24;37:18;38:3;                  41:10;48:13,25;                  49:13,15,20;50:25;                  51:8,25;54:4,18;60:8;                  61:5;65:19,23;66:1,2,                  3,8,12;67:9;69:10,13  <b>thanks (1)</b>                  28:9  <b>theoretical (1)</b>                  34:24  <b>thinking (1)</b>                  10:16  <b>Third (3)</b>                  36:24;57:9;63:13  <b>though (2)</b>                  25:17;57:24  <b>thought (1)</b>                  31:5  <b>thoughts (1)</b>                  43:13  <b>Three (6)</b>                  9:24;32:12;36:21;                  42:11;57:1;66:20  <b>threshold (1)</b>                  41:2  <b>throughout (3)</b>                  32:14;34:13;60:23  <b>tightly (1)</b>                  41:1  <b>target (1)</b>                  5:2  <b>times (1)</b>                  46:14  <b>today (24)</b>                  4:7,11;5:9;7:6,6,13;                  9:1,5,24,25;12:13;                  16:10;28:4;32:3;35:3;                  49:15;51:1;53:18;                  54:19,22;65:24;67:9;                  69:7,10  <b>today's (2)</b>                  5:11,14  <b>together (5)</b>                  18:3;26:8;46:2;                  55:17;61:24  <b>Tom (2)</b>                  8:19,22  <b>took (6)</b>                  28:14,18,19,22;                  29:15;32:8  <b>tool (5)</b></p>	<p>13:17;33:19;36:8;                  41:6;65:5  <b>tools (5)</b>                  12:24;40:10;55:8;                  59:20;63:16  <b>topics (1)</b>                  8:11  <b>total (10)</b>                  14:12;19:2;21:3,9,                  12;22:18,20;24:4;                  25:11,12  <b>totaling (1)</b>                  25:2  <b>totals (1)</b>                  20:6  <b>toward (1)</b>                  37:5  <b>towards (1)</b>                  14:23  <b>track (1)</b>                  40:22  <b>training (1)</b>                  16:12  <b>transcribed (1)</b>                  7:21  <b>transcript (1)</b>                  7:18  <b>transition (3)</b>                  21:19;42:12,14  <b>transitioning (1)</b>                  14:17  <b>Travis (1)</b>                  10:1  <b>treatment (2)</b>                  34:8;57:10  <b>tremendous (1)</b>                  29:11  <b>trend (1)</b>                  42:1  <b>trends (8)</b>                  14:5;18:5,8,9;                  20:17,18;32:18;36:16  <b>tried (1)</b>                  48:15  <b>trust (3)</b>                  36:3;48:2;53:8  <b>truth (26)</b>                  11:17,18,18;16:4,5,                  5;27:20,21,21;28:3,4,                  5,7;30:2;50:3,4,4;                  54:9,10,10;61:15,16,                  16;67:17,18,18  <b>try (1)</b>                  38:10  <b>trying (2)</b>                  29:12;68:7  <b>turn (5)</b>                  15:10,18;26:13;                  49:18,21  <b>turning (1)</b>                  13:20  <b>two (21)</b>                  5:15;7:13;10:2;</p>	<p>17:4;18:7,18;19:1,19;                  24:24;25:10;33:24;                  40:14;43:22;44:3;                  46:24;50:13;56:17,                  22;61:1;63:9;66:19  <b>two-year (1)</b>                  64:4</p>	<p><b>upon (1)</b>                  62:6  <b>upper (3)</b>                  18:8,12;38:5  <b>ups (1)</b>                  63:17  <b>usage (1)</b>                  35:7  <b>use (55)</b>                  5:11;13:7,13;18:6,                  13;19:20,23,25;20:1,                  3,4,5;21:3,6,7,7,8,19;                  22:17,21;23:1,5,6,15;                  24:18,18;26:3,11;                  27:8;32:9,18;37:4;                  38:23;39:10,12,13;                  41:12,13,16,25;42:4;                  43:5,8;46:18,23;                  47:10,16,23,24;50:22;                  51:14;58:14,23;                  61:25;64:13  <b>used (6)</b>                  18:14;19:18;45:25;                  47:10,19;48:1  <b>use-it-or-lose-it (1)</b>                  64:7  <b>user (1)</b>                  59:1  <b>users (6)</b>                  23:12;32:14;42:24;                  51:13;52:14;58:3  <b>using (6)</b>                  29:16;41:7;56:25;                  57:5;62:1,17  <b>utilize (1)</b>                  44:12  <b>utilizing (1)</b>                  41:6</p>
<b>T</b>				
<p><b>table (11)</b>                  7:9;17:13;22:13,25;                  43:4;45:1,23;52:9,10,                  10;66:12  <b>tables (1)</b>                  26:8  <b>talked (3)</b>                  29:25;41:3;51:9  <b>talking (3)</b>                  47:9,12;52:19  <b>tangibly (2)</b>                  40:6;45:19  <b>target (1)</b>                  62:8  <b>targeted (1)</b>                  35:22  <b>team (3)</b>                  49:6,8,9  <b>technical (3)</b>                  17:11;35:24;49:6  <b>Technology (2)</b>                  40:18;45:9  <b>tells (2)</b>                  63:22;65:10  <b>temperature (1)</b>                  62:6  <b>tenth (1)</b>                  20:24  <b>terms (2)</b>                  22:23;58:9  <b>testified (9)</b>                  11:18;16:5;27:21;                  41:21,22;50:4;54:10;                  61:16;67:18</p>	<p><b>U</b></p> <p><b>unable (2)</b>                  44:6,8  <b>uncertainties (2)</b>                  25:10,19  <b>uncertainty (1)</b>                  14:9  <b>under (19)</b>                  7:23;14:25;19:18;                  23:15;24:4;26:2;                  32:19;33:8;55:8,10,                  14;56:24;57:20,25;                  58:12,16;59:2;63:4;                  66:18  <b>underlying (2)</b>                  13:22;35:11  <b>undermine (1)</b>                  33:21  <b>undermines (2)</b>                  57:6;60:2  <b>understood (1)</b>                  52:25  <b>unfolds (1)</b>                  62:11  <b>uniform (1)</b>                  21:24  <b>units (2)</b>                  34:7;63:14  <b>University (2)</b>                  16:13,16  <b>unlikely (1)</b>                  24:19  <b>unlimited (4)</b>                  33:21;34:2;56:6;                  58:24  <b>unpredictable (1)</b>                  62:20  <b>unreasonable (1)</b>                  55:16  <b>unused (12)</b>                  22:22;23:10;24:20,                  24;28:23;33:11,13,                  25;48:3;56:6;58:8;                  63:10  <b>unusually (1)</b>                  33:17  <b>up (11)</b>                  24:23;27:3;29:25;                  44:2;46:25;50:11,16;                  51:23;56:3;63:9;                  65:22  <b>updated (5)</b>                  20:13;32:10,17;                  35:24;64:11</p>	<p><b>V</b></p> <p><b>valuable (2)</b>                  9:20;15:4  <b>value (3)</b>                  14:12;38:24;39:13  <b>values (1)</b>                  18:24  <b>variability (2)</b>                  20:16;33:20  <b>various (1)</b>                  32:19  <b>vary (2)</b>                  25:12;62:3  <b>venue (1)</b>                  44:3  <b>verbal (2)</b>                  9:12,13  <b>version (1)</b>                  64:11  <b>versus (3)</b>                  18:13;19:7;21:3  <b>vested (4)</b>                  20:5;21:7;24:9;</p>		

<p>46:11  <b>via (1)</b>                  16:22  <b>viability (1)</b>                  15:8  <b>view (3)</b>                  13:21;14:18;39:21  <b>viewed (1)</b>                  13:16  <b>voluntarily (2)</b>                  24:9;44:18  <b>voluntary (6)</b>                  45:16;56:7;57:7;                  58:4;60:3,22</p>	<p><b>WCA-enrolled (2)</b>                  56:24;57:18  <b>weakening (1)</b>                  34:11  <b>weather (2)</b>                  63:3,18  <b>Weaver (1)</b>                  10:1  <b>website (2)</b>                  5:13;7:17  <b>week (1)</b>                  20:14  <b>weeks (1)</b>                  7:13  <b>well-honed (1)</b>                  10:9  <b>wells (5)</b>                  23:9;40:14,16,19;                  56:24  <b>Western (3)</b>                  5:19;8:23;63:12  <b>wet (2)</b>                  42:8,13  <b>what's (2)</b>                  18:14;30:16  <b>Wheeler (1)</b>                  40:17  <b>Whenever (3)</b>                  27:25;54:14;61:20  <b>whereas (1)</b>                  47:19  <b>whole (8)</b>                  11:18;16:5;27:21;                  41:8;50:4;54:10;                  61:16;67:18  <b>wholesale (1)</b>                  35:20  <b>who's (1)</b>                  10:16  <b>whose (2)</b>                  23:12;37:4  <b>Wichita (65)</b>                  4:13,22;5:3;8:4,7,                  14;12:18,18;13:4,10,                  14,24;14:12;15:7,9;                  17:9,25;18:3,15;                  20:12;34:19,24;                  35:12;37:6,11;40:3,                  12,14;41:5,22;42:16;                  45:11;52:4;54:20,23,                  24,25;55:1,23,24,24;                  56:5,12,19;57:8,17,                  21,23,23;58:7,21;                  59:2,6,11,15,16,18,22,                  25;60:5,6,18;61:22;                  63:1;67:22  <b>wide (1)</b>                  64:10  <b>Wilson (2)</b>                  17:22;40:8  <b>wishes (2)</b>                  6:22;67:8  <b>withdrawal (1)</b></p>	<p>56:25  <b>withdrawals (1)</b>                  57:5  <b>withheld (1)</b>                  57:22  <b>within (12)</b>                  5:4;8:9;12:9;13:11;                  18:15,24;40:20,25;                  45:17;52:3;59:15;                  63:6  <b>without (3)</b>                  33:14;34:11;35:13  <b>witness (7)</b>                  6:5,12;8:20;11:5,                  10;16:8;49:3  <b>witnesses (7)</b>                  5:25;6:2;8:18;10:5;                  31:21;48:23;53:18  <b>wondering (1)</b>                  26:19  <b>work (4)</b>                  12:2;17:21;31:2;                  40:2  <b>worked (2)</b>                  10:3;35:17  <b>working (8)</b>                  22:8;36:22;40:5,7,                  10,17;45:14;62:17  <b>world (2)</b>                  28:3;35:2  <b>worthy (2)</b>                  10:13,13  <b>written (14)</b>                  7:4,6,15;9:6;17:12;                  19:9;21:2;25:22;                  49:13;51:24;66:2,5,8,                  11  <b>wrong (1)</b>                  60:17</p>	<p><b>yields (1)</b>                  65:3</p> <p style="text-align: center;"><b>Z</b></p> <p><b>zero (2)</b>                  43:8;47:18</p> <p style="text-align: center;"><b>0</b></p> <p><b>0.7 (1)</b>                  20:21</p> <p style="text-align: center;"><b>1</b></p> <p><b>1 (20)</b>                  5:20;8:4,20;13:11;                  17:2,19,24;18:2,15;                  22:13;32:5,12;37:10;                  41:24;43:4;50:13,17;                  52:10;54:17;65:7  <b>1/2% (1)</b>                  29:4  <b>10 (1)</b>                  20:10  <b>10:30 (1)</b>                  69:15  <b>100% (1)</b>                  39:10  <b>1020 (1)</b>                  9:18  <b>104 (1)</b>                  43:8  <b>11 (1)</b>                  20:10  <b>11% (1)</b>                  23:5  <b>11.6% (1)</b>                  23:5  <b>110% (1)</b>                  42:10  <b>113.6 (1)</b>                  58:17  <b>12 (2)</b>                  16:20;21:2  <b>120 (2)</b>                  59:3;66:16  <b>1200 (1)</b>                  59:5  <b>13 (1)</b>                  21:1  <b>1320 (1)</b>                  7:10  <b>13th (1)</b>                  4:11  <b>14 (1)</b>                  22:14  <b>15 (3)</b>                  22:14,15;43:4  <b>16 (2)</b>                  42:9;43:2  <b>160 (2)</b>                  58:14,15</p>	<p><b>167,500 (1)</b>                  38:6  <b>17 (1)</b>                  29:4  <b>1930 (1)</b>                  58:22  <b>1977 (1)</b>                  16:14  <b>1984 (1)</b>                  16:15  <b>1992 (1)</b>                  16:17  <b>1st (1)</b>                  5:7</p> <p style="text-align: center;"><b>2</b></p> <p><b>2 (5)</b>                  19:14,16;41:10,10,                  15  <b>2.2 (1)</b>                  25:3  <b>20 (2)</b>                  46:8;65:3  <b>20% (4)</b>                  22:25;29:2;43:8;                  44:4  <b>20,645 (1)</b>                  46:11  <b>2009 (2)</b>                  13:13;19:21  <b>2010 (1)</b>                  28:12  <b>2011-12 (1)</b>                  42:9  <b>2012 (1)</b>                  63:11  <b>2013 (1)</b>                  11:25  <b>2014-15 (1)</b>                  42:9  <b>2015 (5)</b>                  13:13;19:21;20:19;                  42:1;43:2  <b>2016 (1)</b>                  42:1  <b>2017 (6)</b>                  19:7;28:17;29:8;                  41:23;55:25;58:6  <b>2020 (2)</b>                  16:22;17:2  <b>2021 (6)</b>                  13:4;19:24;22:17;                  24:18;32:10;56:13  <b>2023 (1)</b>                  32:10  <b>2024 (8)</b>                  19:24;21:4;22:18;                  24:18;29:16;32:8,11;                  57:16  <b>2025 (5)</b>                  5:7,10;13:5;21:5;                  65:1</p>
<p style="text-align: center;"><b>W</b></p>				
<p><b>wait (2)</b>                  15:13,15  <b>walk (1)</b>                  17:11  <b>warranted (1)</b>                  36:21  <b>Water (96)</b>                  4:6;5:4,21;6:20;                  11:6,24;13:9,12;                  14:23;16:16,19,20,24;                  18:13,17,21;21:11,20,                  23;22:1;23:16;27:7;                  28:13,18,23;29:2,5,7,                  17,20;30:23;31:8;                  32:9,14,15,18,18;                  35:9;37:3,5;41:12,12,                  19,25,25;42:4,4,16,                  24;44:13,14,19;46:14,                  18,23;49:10,11;50:8,                  10,15,22;51:13,14;                  52:3,5;54:16,19,20,                  25;55:3,8,13,16;56:6;                  57:8,15,18,22,24;                  58:3,8,12,14,22,23;                  59:1,5,7;60:6;62:2,18,                  22;64:7,11;68:11,18  <b>water-level (1)</b>                  18:6  <b>Watt (15)</b>                  27:9,15,16,19,24;                  28:1;30:16,20,23;                  31:1,9,13,15;41:21;                  44:22  <b>W-a-t-t (1)</b>                  27:17  <b>way (4)</b>                  17:18;41:1;52:6;                  68:10  <b>ways (1)</b>                  68:10  <b>WCA (27)</b>                  13:15;41:22;55:1,                  23,24;56:5,10,19,24;                  57:8,19,23,24;58:5,7,                  9,12,16,21,23;59:6,8,                  15,19,23;60:18,23</p>				
		<b>Y</b>		
		<p><b>year (14)</b>                  18:20;20:14,21,25;                  23:10;40:10;43:17,                  17;58:15,17;59:4;                  62:4,4,65:5  <b>years (27)</b>                  9:3;10:11;16:18;                  18:5;19:17;22:23;                  23:2;25:13;28:7,8,20;                  33:25;34:4,35:23;                  42:8,10;43:9;44:3;                  56:3,17;58:18,19;                  62:12,21,24;63:8,10  <b>years' (1)</b>                  24:24  <b>year's (1)</b>                  18:22  <b>year-to-year (1)</b>                  20:15  <b>yesterday (3)</b>                  9:7;10:15;37:18</p>		

<p><b>2026 (2)</b> 4:11;7:14 <b>21 (2)</b> 29:8;41:20 <b>23rd (1)</b> 5:9 <b>246 (1)</b> 46:12 <b>246,883 (1)</b> 46:10 <b>25 (1)</b> 41:21 <b>25% (3)</b> 29:14;56:13;59:3 <b>250,425 (1)</b> 25:2 <b>252,000 (1)</b> 38:7 <b>27th (2)</b> 7:14;66:6 <b>29 (1)</b> 28:22 <b>29% (7)</b> 28:19,24;29:1,3,6; 56:1;58:17</p>	<p>47:7</p> <p style="text-align: center;"><b>5</b></p> <p><b>5 (5)</b> 17:20;23:24,25; 25:5,17 <b>5% (1)</b> 31:9 <b>50 (1)</b> 28:21 <b>50% (3)</b> 43:21;56:4;58:20 <b>51,000 (1)</b> 46:25 <b>5-19-3 (2)</b> 4:19,24 <b>5-19-5 (1)</b> 4:19 <b>53% (1)</b> 20:3</p>	<p style="text-align: center;"><b>9</b></p> <p><b>9 (1)</b> 19:14 <b>9:03 (1)</b> 4:12 <b>9:45 (1)</b> 26:18</p>		
<p style="text-align: center;"><b>3</b></p>	<p style="text-align: center;"><b>6</b></p>			
<p><b>3 (3)</b> 20:9;41:10,19 <b>30% (5)</b> 23:9;43:17;45:9; 47:17;52:3 <b>30-year (3)</b> 58:20;59:4,8 <b>31,000 (1)</b> 38:4 <b>31,400 (1)</b> 18:20 <b>31,500 (1)</b> 38:4 <b>33,500 (1)</b> 38:4 <b>33,600 (1)</b> 18:22 <b>36 (2)</b> 16:19;29:6 <b>36% (1)</b> 28:21 <b>38% (1)</b> 26:4 <b>39% (1)</b> 23:6</p>	<p><b>6 (1)</b> 17:20 <b>60 (1)</b> 28:7 <b>62% (1)</b> 20:2 <b>66502 (1)</b> 7:11</p>			
<p style="text-align: center;"><b>4</b></p>	<p style="text-align: center;"><b>7</b></p>			
<p><b>4 (2)</b> 12:1;21:1 <b>4% (1)</b> 18:24 <b>43 (2)</b> 28:21;29:7 <b>47,000 (1)</b></p>	<p style="text-align: center;"><b>8</b></p> <p><b>8 (1)</b> 19:15 <b>82a-1041 (6)</b> 4:19;5:1;8:13; 55:10;58:2;63:4 <b>82a-1041b (1)</b> 5:1 <b>82a-703a (1)</b> 55:14 <b>82a-706b (1)</b> 55:14 <b>82a-745 (1)</b> 55:9 <b>82a-747 (1)</b> 55:9</p>			