

# ATTACHMENT 28

AR # 506

Revised Final Transcripts – Public  
Hearing of May 7, 2014

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*County of Morgan - Illinois*

**Underground Injection  
Control Draft Permits  
for the FutureGen  
Industrial Alliance**

**REVISED FINAL**

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**Public Hearing  
May 7, 2014**

STATE OF ILLINOIS  
IN THE COUNTY OF MORGAN

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UNDERGROUND INJECTION CONTROL  
DRAFT PERMITS FOR THE  
FUTUREGEN INDUSTRIAL ALLIANCE

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PUBLIC HEARING  
May 7, 2014  
Mac Murray College  
Jacksonville, Illinois  
Steve Jann, EPA Hearing Officer

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APPEARANCES

Steve Jann, Hearing Officer  
Environmental Protection Agency

Jeffrey McDonald,  
Environmental Protection Agency

Mary Rose (Molly) Bayer,  
Environmental Protection Agency

Sue Pastor, Hearing Facilitator

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Robin L. Stranimeier, CSR-084-004700, RPR

1 (7:00 p.m.)

2 MR. JANN: I appreciate taking everyone  
3 taking time out of their evening to come and join us  
4 tonight for tonight's hearing on the U.S. Environmental  
5 Protection Agency's proposal to issue permits to the  
6 FutureGen Industrial Alliance for four proposed  
7 injection wells. FutureGen wants the permits to inject  
8 carbon dioxide deep underground.

9 My name is Steve Jann. I am the Chief of  
10 the Underground Injection Control Branch at EPA Region  
11 5 in Chicago. I will preside over tonight's hearing.

12 I'll be on a panel tonight with Jeff  
13 McDonald, who wrote the draft permits, and Molly Bayer  
14 who co-wrote them together with Jeff. Molly works out  
15 of our Washington, DC office. We have a facilitator  
16 for tonight's hearing whose name is Sue Pastor. She's  
17 standing here in front. She will help us kind of keep  
18 track of time and call folks to speak.

19 We are pleased to have this opportunity to  
20 listen to your comments on EPA's draft permit  
21 decisions. Last year EPA received permit applications  
22 from the FutureGen Industrial Alliance for four  
23 underground injection wells. The application are on  
24 EPA's website. The full list of information the EPA  
25 reviewed is also found on our website. The information

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1 in all its detail can be viewed in person in EPA's  
2 Chicago office.

3 The comment period on the draft permits  
4 ends on May 15th. Comments can be made here, either in  
5 spoken or in writing. They can be sent to EPA by  
6 e-mail, regular mail, fax or by entering a comment form  
7 that's available on our website.

8 We're holding tonight's hearing in  
9 accordance with regulations under the Safe Drinking  
10 Water Act. The hearing is designed to allow you to  
11 make comments for EPA to consider in making any final  
12 permitting decision in this matter. All of the  
13 comments we receive during this hearing become part of  
14 the official record for these draft permits, but  
15 unfortunately we will not be responding to your  
16 comments tonight. And for any of you folks who may be  
17 frustrated that we don't answer your questions or  
18 respond to your comments I'm sorry for that, but we had  
19 two question and answer sessions earlier today in which  
20 we were all available for conversation and questions  
21 and answers on these draft permits.

22 However, EPA will review all comments  
23 after the public comment period ends. We will then  
24 prepare a document what we call a "Responsiveness  
25 Summary." That document will respond to all

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1 significant comments on the draft permits and will be  
2 posted on our website. The time needed to prepare a  
3 Responsiveness Summary will depend on the volume and  
4 the nature of comments that we receive.

5                   When EPA reviews the comments and prepares  
6 a Responsiveness Summary, EPA will make a decision to  
7 either approve or disapprove the four permit  
8 applications. At the same time the Responsiveness  
9 Summary is sent out, we will send a letter notifying  
10 the FutureGen Industrial Alliance whether we approve or  
11 disapprove the applications. If EPA approves the  
12 permits, the permits will authorize the FutureGen  
13 Industrial Alliance to construct the injection wells.

14                   Before we get started and begin to take  
15 your comments let me give you a brief background on the  
16 Safety Drinking Water Act, the Underground Injection  
17 Control program and the permit applications that we  
18 have reviewed. The Safe Drinking Water Act has three  
19 main parts. One sets drinking water quality standards,  
20 another generally protects ground water, and the third  
21 is the Underground Injection Control, or as we call it  
22 the UIC program.

23                   EPA developed regulations for the UIC  
24 program with the goal of protecting underground sources  
25 of drinking water from the potential effects of

1 injected fluid. EPA finalized regulations for  
2 so-called Class VI wells in 2010. Class VI wells  
3 inject carbon dioxide underground for permanent  
4 storage, or sequestration is the technical term.

5 The UIC program protects underground  
6 sources of drinking water by permitting only those  
7 injection wells which meet stringent technical  
8 requirements. The program ensures public participation  
9 in the permitting process. The public is invited to  
10 comment on every draft permit decision. EPA holds  
11 hearings for those draft permit decisions that generate  
12 significant public interest or EPA anticipates will  
13 generate significant interest.

14 EPA received the FutureGen Industrial  
15 Alliance permit applications in March of last year.  
16 EPA thoroughly reviewed the applications using experts  
17 from various offices within our agency as well as  
18 contractors. EPA has determined that the proposed  
19 injection well should protect underground sources of  
20 drinking water and the environment. Therefore, EPA is  
21 making these draft permits available for public review  
22 and comment.

23 EPA announced these draft decisions and  
24 this public hearing on March 31st of this year. The  
25 announcement was published in the My Journal Courier

1 here in Jacksonville and the State Journal Register in  
2 Springfield on April 3rd. EPA also posted the  
3 announcement on our web page. EPA sent a copy of the  
4 draft permits to the Jacksonville Public Library on  
5 March 31st. Announcements were also mailed and  
6 e-mailed to interested parties, State and federal  
7 agencies, and land owners near the proposed injection  
8 wells.

9           And as I mentioned a moment ago, we were  
10 here for two two-hour sessions earlier today having the  
11 so-called open house where we gave some information in  
12 the form of power point slide and were available to  
13 answer questions and engage in conversation.

14           A public hearing is more formal than an  
15 open house and it has a different purpose. At an open  
16 house, EPA engages in those conversations about the  
17 draft action and takes questions and answers them, all  
18 with an eye towards improving and understanding of the  
19 issues involved.

20           In contrast, a hearing which we're  
21 starting now, gives people an opportunity to formally  
22 and publicly make EPA aware of their views on the draft  
23 permits. All oral statements will be recorded word for  
24 word by our court reporter, but you're not sworn in and  
25 we will not be asking you any questions. The hearing

1 is your opportunity to tell EPA whether you feel the  
2 proposed permits are consistent with the Safe Drinking  
3 Water Act and EPA's underground Injection Control  
4 regulations and whether the facts, as evaluated and  
5 determined by EPA, are accurate.

6 Our role during the public hearing is to  
7 listen to each comment that is made. We will not  
8 respond to your comments this evening. However, we  
9 will review and address those comments in a  
10 Responsiveness Summary. And we will add the  
11 Responsiveness Summary to the so-called administrative  
12 record for the permitting decisions.

13 After considering all comments, EPA will  
14 make its decision to issue or deny the permits. The  
15 final decisions may be appealed to a body within EPA  
16 that's called Environmental Appeals Board by any who  
17 submits written comments on the draft permits during  
18 the public comment period or comments at the hearing.  
19 If you wish to make a statement at this hearing, please  
20 be sure that you provide your information at the  
21 registration table right outside those doors so that we  
22 may correctly enter your name into the hearing record.

23 Even if you choose not to make a statement  
24 but want to receive a copy of any response for the  
25 final permit decision, make sure that you have

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1 indicated so on the sign-in sheet at the registration  
2 table. No one is required to sign in.

3 Now, just a couple of ground rules for the  
4 hearing. If you want to speak, please fill out a card  
5 at the table. This will help us determine how much  
6 time we have available. For our part we want to make  
7 sure that everyone who wants to say something gets the  
8 opportunity to do so. Based on the tally of the folks  
9 who have indicated that they want the speak we can  
10 provide four minutes for each person to speak.

11 If you are concerned that you will not  
12 have enough time to make a full statement, you can  
13 provide more information to EPA in writing either  
14 tonight or by the end of comment period on May 15th.  
15 If you wish to submit comments in writing, please be  
16 sure that you send your comments to EPA by that date.  
17 Written comments can be as long as you like. If you  
18 are mailing your comments to EPA, the May 15th date  
19 means that you have to make sure your letter is  
20 postmarked by the 15th.

21 If you're making an oral statement and you  
22 want to provide a written copy of your remarks or other  
23 documents, please give them to Andrew, who is sitting  
24 in the maroon shirt in the corner there. Thank you.

25 Okay. So let's get started. We will call

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1 folks to speak in the order in which they filled out --  
2 that they signed in with an intention to speak. When  
3 you start to speak, please say your name and spell your  
4 last name for our court reporter. So we're scheduled  
5 to end at 9 o'clock tonight. So on behalf of the  
6 Agency, on behalf of all the Mac Murray staff who are  
7 here, thanks for coming to tonight's hearing. And,  
8 Sue, will you please call our first speaker.

9 MS. PASTOR: The first person on my list  
10 is Lucy Swartz, and if she would come up here she can  
11 give her name to the court reporter and spell it again.  
12 And then Bradley Zeller will be number two. He's on  
13 deck so you want to be ready to come up when Lucy is  
14 done.

15 MS. SWARTZ: Good evening. My name is  
16 Lucy Swartz. It's S-w-a-r-t-z. I serve as the chief  
17 operating officer for FutureGen Alliance, and with me  
18 this evening are several Alliance colleagues including  
19 Ken Humphreys, who is our chief executive officer, and  
20 Tyler Gilmore, who is head of our sub-surface design  
21 team and of the UIC permitting team as well.

22 The Alliance certainly welcomes the  
23 opportunity to come talk again about the FutureGen  
24 project and it's importance to Jacksonville, to Morgan  
25 County and to Illinois, as well as to the nation. We

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1 also want to thank EPA for their sustained effort to  
2 review our very detailed application for the  
3 underground injection control permit. They spent a  
4 year looking at the information we provided, asking us  
5 questions, reviewing our answers to their questions.  
6 It was a very long slog on their part and we appreciate  
7 all of their efforts.

8           The Alliance is a nonprofit organization  
9 made up of businesses that have interest in coal and  
10 energy sectors. The Alliance is also supported  
11 substantially by the Department of Energy, United  
12 States Department of Energy. It provides financial  
13 assistance and we're also supported by the State of  
14 Illinois, particularly the Department of Commerce and  
15 Economic Opportunity and we're happy with that support  
16 and very grateful for that support as well.

17           The project involves retrofitting the  
18 Meredosia Energy unit -- Meredosia Energy Center in  
19 Meredosia with oxy-combustion technology. This will  
20 allow us to capture carbon dioxide, transport it in an  
21 underground pipeline and injection -- inject it deep  
22 underground in a site in northeastern Morgan County.

23           The project will capture and permanently  
24 store 90 percent of the CO2 emissions that -- CO2 that  
25 would normally be emitted from coal fuel in the

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1 Meredosia Energy Center. We've made great progress on  
2 the project to date. We have received construction  
3 permits, air and water construction permits from  
4 Illinois Environmental Protection Agency for the  
5 construction of the Meredosia Energy Center. We have  
6 had our pipeline approved by the Illinois Commerce  
7 Commission. We have done the significant design work  
8 and will be getting final design. And the Department  
9 of Energy has completed its environmental impact  
10 statement process where it analyzed in detail potential  
11 environmental impacts of the project as a whole and it  
12 concluded that there were no significant environmental  
13 impacts.

14                   And as Steve mentioned in March of 2013  
15 the Alliance submitted an application for four --  
16 pardon?

17                   MS. PASTOR: Thirty second.

18                   MS. SWARTZ: Thirty seconds. You're  
19 tough. -- for four injection permits, and supporting  
20 documentation. Supporting documentation involves the  
21 description of the geology, as well as construction  
22 operation plan, a monitoring plan, and assurances that  
23 the Alliance would maintain financial responsibility  
24 for the project as a whole for its -- for the life of  
25 the project.

1                   Thank you very much and we look forward to  
2 hearing your comments on the permit.

3                   MS. PASTOR: All right. Thank you. I may  
4 be tough, but I want to move it along so that everybody  
5 has a chance to talk, and we do have the room only  
6 until 9:00 so we want to kind of abide by the rules  
7 here. And the college was nice enough to let us have  
8 the room and we want to kind of be out of here as close  
9 to 9:00 as possible and make sure everybody has a  
10 chance to speak.

11                   So Bradley is up and then we have Phil  
12 G-o-n-e-t on deck so be ready, Phil.

13                   MR. ZELLER: I'd like to officially be the  
14 welcome man for Morgan County as the current chairman  
15 of the board of the Morgan County Board. So we'd like  
16 to welcome everyone to Jacksonville and Morgan County.  
17 I was also past chairman of Regional Economic  
18 Development Board and I am a lifetime resident of east  
19 central Morgan County in Alexander where I currently  
20 reside at my family's centennial farm near the  
21 sequestration site. And I've lived there my whole life  
22 and farmed it the past 35 years.

23                   So I represent the county and I also  
24 represent land owner -- for myself. I'm representing  
25 myself. I am not representing anybody else, but I'm

1 very familiar with the area. I'm here to briefly  
2 discuss the economic and environmental impact of the  
3 FutureGen 2.0 project. Specifically, the sequestration  
4 site and it's what we're here for today and the ground  
5 water.

6                   But economically the project itself is  
7 a 1.6 billion dollar impact for our economy. That's  
8 the actual construction cost. To put that in layman's  
9 terms, we are a board of review for the county. I'm  
10 looking back. I should be -- but anyway, to put this  
11 in perspective the County of Morgan has a 500-million  
12 dollar EAV. That's our total tax base that we base all  
13 of our taxes. For our school district, the county, all  
14 the taxing body which is equivalent to a 1.5-billion  
15 dollar value. 500 million is one-third of our fair  
16 market value. Now, there's roads and hospitals and  
17 things out of that EAV, but that's 1.5 billion total  
18 value of Morgan County. This is bringing in 1.6  
19 billion dollars to the county, which is more than the  
20 county is worth in total.

21                   An independent study by the University of  
22 Illinois projects a 12-billion dollar impact to the  
23 community over the next 20 years; 12 billion dollars to  
24 the county that's worth 1.5 billion. I think that's  
25 going to have a huge effect - 1650 temporary jobs, 650

1 permanent jobs.

2                   Now, the environmental impacts of the  
3 sequestration, it is CO2. It's carbon and oxygen and I  
4 see nothing toxic about either one of those elements.  
5 They're burying it 5,000 feet below the ground. The  
6 displacement value is equivalent to a dime in a  
7 bathtub. So there's not much of a factor. There's not  
8 going to be any heaving. We naturally have natural gas  
9 pockets in our county that people are using as wells  
10 for heating sources and things of that nature.  
11 Nobody's worried about them breaking out of their  
12 natural cavities.

13                   We currently have Panhandle Eastern which  
14 is storing natural gas in east south central Morgan  
15 County in a natural geological dome that they're  
16 storing over there. There have been no environmental  
17 impacts from that process either. Our well water is  
18 surface water. Our water comes from the top down. It  
19 does not come from the earth up.

20                   Just a quick story on myself. My oldest  
21 son is 30 years old. We didn't have city water at that  
22 time. We still have our shallow well, which is 18 feet  
23 deep. The deepest well in Morgan County that supplies  
24 Morgan County is 90 foot deep. But I have been more of  
25 a culprit to contaminating my well than FutureGen will

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1 by my farming practices, because it failed because of  
2 my trace values were too high in my own well.

3 In summary, I'd like to say I have  
4 confidence in the science. Love the opportunity to  
5 come into Morgan County a clean energy site of the  
6 world and am excited about the fact that we did  
7 something to help with the global warming weather  
8 issues. Thank you.

9 MS. PASTOR: Okay. Phil Gonet is up.  
10 Randy Harris you're on deck.

11 MR. GONET: I'm changing things around  
12 here because these talks are suppose to be to the EPA.  
13 So sorry folks in the audience you get to see my back  
14 side. My name is Phil Gonet. Last name is spelled  
15 G-o-n-e-t. I'm the president of the Illinois Coal  
16 Association. We're based in Springfield. I represent  
17 companies in Illinois that mine coal. The association  
18 started in 1878. So we've been around for a while.

19 Coal mining in Illinois has gone on for  
20 about 200 years. Last year all of the coal producers  
21 in Illinois have produced over 50 million tons. Our  
22 production has increased by about 50 percent the last  
23 few years. So unlike other parts of the country we're  
24 seeing now to spike up.

25 The Illinois Coal Association supports the

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1 FutureGen Alliance 2.0 Underground Injection Control  
2 Class VI permit. The FutureGen project is important to  
3 the development of clean coal technology, and the  
4 Illinois Coal Association has been an active supporter  
5 since this project was first announced in 2003. I  
6 didn't make a mistake there. It's 2003. Yes, that was  
7 11 years ago. And that's part of our frustration; it's  
8 taken 11 years to get to this point. And we still  
9 don't have steel in the ground. We're not being able  
10 to learn yet from deployment technology, clean coal  
11 technology that's going to be able to use coal.

12 Even the technology has changed from the  
13 zero emissions, free-standing power plant in Mattoon to  
14 retro fitting existing power plants with the  
15 oxy-combustion technology. We accept that. Kind of  
16 grudgingly but, and it wasn't your choice to do that.  
17 I know. But we'd rather be building free  
18 standing-power plants.

19 This project is very important to the  
20 State of Illinois as coal is an abundant resource here.  
21 And low cost energy from coal has been the backbone of  
22 our nation's economy since the Industrial Revolution.  
23 Illinois is the Saudi Arabia of coal. In fact, the  
24 energy content from our coal is greater than the energy  
25 content of the oil than Saudi Arabia and Kuwait

1 combined. So we believe coal must be part of America's  
2 energy mix in the future.

3           This project will allow coal to be part of  
4 the, all of the above energy strategy that's been  
5 getting quite a bit of attention lately. It's very  
6 disappointing to us that another part of your agency,  
7 U.S. EPA, continues to propose emission limits on  
8 carbon dioxide that cannot be met with the current  
9 technologies. Last year EPA announced standards for  
10 new power plants that can only be met by FutureGen-type  
11 technologies. And next month the standards for  
12 existing plants will be proposed. Is there any reason  
13 for me to be optimistic about how those standards will  
14 effect coal? This process is getting the cart before  
15 the horse.

16           Carbon limits for coal can only be met by  
17 a technology that isn't even under construction yet for  
18 project FutureGen. If coal is supposed to be part of  
19 our future energy basin this doesn't make sense to me,  
20 the process. The coal industry had a consistent  
21 request for several years, defer or postpone the  
22 imposition of carbon limits on power plants until  
23 commercially proven carbon capture and storage  
24 technology, CCS, is available. Doing otherwise will  
25 result in significantly higher electricity costs that

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1 will have a negative economic impact on this State, the  
2 region and the nation. That's why FutureGen is so  
3 important and needs to move forward now.

4           This landmark draft permit is integral to  
5 the advancement of CCS technology for future use in the  
6 United States and around the world. While the  
7 Department of Energy, which issued it's record -- a  
8 decision for financial support as you know of this  
9 project in January has had several pilot projects  
10 designed to capture and store CO2. It is time to scale  
11 up the technology to commercial size on coal-fueled  
12 power plants that will be fully integrated with  
13 geologic storage. The lessons learned from this first  
14 of its kind project will be key to the wide-spread  
15 commercialization of CCS technologies.

16           On behalf of the Illinois Coal  
17 Association, I urge final approval of the permit  
18 without delay to enable the FutureGen 2.0 project to  
19 move forward. Thank you.

20           MS. PASTOR: Okay. Randy Harris you are  
21 up. Terry Denison, get ready you're on deck.

22           MR. HARRIS: I'll stand here so she  
23 doesn't have to keep moving the mike around. My name  
24 is Randy Harris. I'm with the Laborers' International  
25 Union of North America Midwest Region. We're a

1 construction craft labor union based out of  
2 Springfield, Illinois and we cover 10 states. We have  
3 over 52,000 members in that 10-state region. And as  
4 was previously mentioned this project -- we support the  
5 approval of the permits. That's my -- what I wanted to  
6 say.

7 But as it was previously mentioned this  
8 project stands to create over 1600, as someone called  
9 part, or temporary jobs. Those temporary jobs aren't  
10 just temporary jobs. They're construction jobs.

11 And when people talk about construction  
12 jobs as if they're temporary, I guess, in one sense  
13 they are temporary in that construction by it's very  
14 nature is temporary. You either build something or you  
15 tear something down. So all construction jobs by their  
16 very nature are temporary. However, construction  
17 careers are permanent.

18 This is the kind of project, particularly  
19 in the State of Illinois and in this area where  
20 construction unemployment is nearing 50 percent. It  
21 can carry over these men and women through two or  
22 three, maybe four seasons to help the next set of  
23 projects get going. They help more private investment  
24 get to take off. They help the state and federal  
25 government invest more in infrastructure. These are

1 the kind of projects we need.

2 The 600 permanent jobs stand to be good  
3 family supporting jobs. We encourage the EPA to  
4 approve the permits, issue the final permits. Not just  
5 for the construction and the economic benefit, but also  
6 what this can do for the area in terms of research,  
7 because this will be a pilot plan as everyone has  
8 suggested in terms of research and development in this  
9 area.

10 So I encourage the EPA to approve the  
11 project, approve the permit. On behalf of the  
12 Laborers' International Union of North America, our  
13 employers, and signatory contractors, I encourage the  
14 EPA to approve it. Thanks.

15 MS. PASTOR: Terry Denison. Folks, don't  
16 forget to say your name and spell it for the court  
17 reporter. She's looking a little lost over there.  
18 Paul Moore will be on deck after Mr. Denison.

19 MR. DENISON: Good evening. My name is  
20 Terry Denison, D-e-n-i-s-o-n. I am president of the  
21 Jacksonville Regional Economic Development Corporation.  
22 We are a professional nonprofit organization whose  
23 objective is to retain, create, and recruit job  
24 opportunities for the residents of our region. One of  
25 these opportunities is FutureGen 2.0 and the many

1 benefits associated with it.

2 In today's economic environment it is  
3 tough to attract new businesses to Morgan and Scott  
4 Counties, but we've had some good fortune to attract  
5 several companies recently and FutureGen is among them.  
6 FutureGen represents an excellent opportunity to give  
7 the community an economic shot in the arm.

8 According to a recent University of  
9 Illinois FutureGen 2.0 Economic Impact Study report,  
10 during the construction phase, which you just heard  
11 from of FutureGen, the project is likely to generate as  
12 many as 683 direct jobs. That's 452 jobs at the power  
13 plant and 231 construction jobs for the CO2 pipeline  
14 and at the storage site and a total of 1600 jobs for  
15 Illinois. And this is by 2015 which should be the  
16 second year, or Phase 3 the construction part.

17 Of course, many of these jobs by their  
18 nature being construction will be short-term. Now, as  
19 the project matures and it goes into full operation  
20 starting in 2018, the number of direct jobs for Morgan  
21 County is estimated to be 118; 91 at the power plant  
22 and 27 for the CO2 pipeline and the storage site. And  
23 the number of total jobs, direct and indirect, is  
24 estimated to be about 200 new jobs, which we very much  
25 need and want. In the long-term, FutureGen will

1 produce increased tax revenues and help replace jobs  
2 lost as a result of the closure of the Meredosia Power  
3 Plant.

4                   Speaking of Meredosia, we are already  
5 seeing some economic benefits of FutureGen. With the  
6 Meredosia Power Plant, when it deceased generating  
7 power in December of 2011, the County faced a potential  
8 loss of more than \$500,000 per year in property taxes.  
9 Most of the money goes to the Meredosia School District  
10 and without those funds the school district would be  
11 facing or did face uncertain financial future.  
12 However, with FutureGen's project active maintenance of  
13 the plant and preparations for future construction  
14 those property taxes continue to be paid. That makes a  
15 very real financial difference to the county and to our  
16 schools.

17                   And, lastly, over 50 percent of power  
18 delivered by rural electric co-opps nationwide is  
19 coal-based. Plus, I just received this in the mail the  
20 other day with my Ameren bill. Ameren, which supplies  
21 the electricity to a lot of us in downstate Illinois,  
22 71 percent of the power that they provide is from  
23 coal-based plants. So coal is important to rural  
24 America. However, with ever tightening environmental  
25 regulations we need new technology to make coal

1 cleaner. FutureGen is a great opportunity to  
2 demonstrate clean coal technology.

3                   Recently our office had the honor and the  
4 pleasure of hosting and visiting with former New Jersey  
5 Governor and U.S. EPA Administrator, Christine Todd  
6 Whitman. As Mrs. Whitman stated, alternative energy  
7 sources are not going to replace coal as the main  
8 producer of electricity. And electric demand is going  
9 to increase greatly in the next few years. Coal is and  
10 will be very important to our economy. So let's build  
11 this plant and pipeline and protect the coal power that  
12 rural America needs. Thank you.

13                   MS. PASTOR: And you are Paul. And Glen  
14 Baugh is next.

15                   MR. MOORE: Hi, my name is Paul Moore,  
16 M-o-o-r-e, and I'm the president from the Central  
17 Illinois Building and Construction Trades Council.  
18 This counsel is made up of the skilled craft who will  
19 build this project. We whole-heartedly support  
20 FutureGen for the following reasons:

21                   The importance of a carbon capturing  
22 system, which is widely used as an essential technology  
23 in the effort to address climate change concerns. This  
24 system offers the potential to largely eliminate the  
25 CO2 emissions associated with power plants, cement

1 plants, refineries and other stationary industrial  
2 sources.

3 Also, the educational value that FutureGen  
4 2.0 will gain with worldwide attention by being one of  
5 the first near single zero emissions commercial scale  
6 coal-fueled power plant that is fully integrated with  
7 underground carbon capture and storage, and will prove  
8 out that the integration of the power plant, CO2  
9 pipeline, CO2 storage site result will to be used to  
10 develop additional projects in Illinois, the Unites  
11 Stated, and possibly around the world.

12 It will also be a safe system as CO2 is  
13 non corrosive and nonflammable. The CO2 that will be  
14 transported in the pipeline and injected underground  
15 for permanent storage. It is the same CO2 that would  
16 be released into the atmosphere.

17 There is also community support for this  
18 project with an open dialogue between the building  
19 trades, FutureGen Alliance and the citizens board, and  
20 most importantly is job creation for Morgan and  
21 surrounding counties. Thank you.

22 MS. PASTOR: Okay, Glenn. Followed by  
23 Marc Landers you'll be next.

24 MR. BAUGH: My name is Glenn Baugh. Last  
25 name is B-a-u-g-h. I'm the business manager of IBEW

1 Local 193 in Springfield, Illinois. We represent a  
2 little over 300 electrical workers and we're ready to  
3 start this project and build this project. I won't be  
4 redundant with all the technical information that's  
5 been presented before me, but I would like to sum it up  
6 if I could.

7 This is the first for a near zero  
8 emissions coal-fueled power plant. And this project  
9 when finished will be viewed and visited by the world.  
10 Putting Jacksonville and Meredosia, Illinois in the  
11 spotlight. It will bring jobs and revenue to an area  
12 at a time when jobs are limited. And I believe from  
13 the folks that spoke before me, as well as the EPA who  
14 has looked at this hard, that the homework's been done  
15 and it's time to move forward and grant these permits.  
16 Thank you.

17 MS. PASTOR: Okay. Marc Landers followed  
18 by Jason McKinley.

19 MR. LANDERS: My name is Mark Landers,  
20 L-a-n-d-e-r-s. And I don't have a lot of long titles  
21 or appointments or boards that I sit on. But I am  
22 father and a husband and a resident here in Central  
23 Illinois, and I can trace my lineage back in the State  
24 over five generations. So I think I have somewhat of  
25 an investment in what goes on in the State that I live

1 in. And I truly believe FutureGen would support the  
2 ongoing and future use of the nation's abundant coal  
3 reserves in a manner that addresses both the aging  
4 power production and environmental concerns.

5           As a nation and as a community we have an  
6 opportunity to develop technologies that utilize the  
7 abundant resources our State has. One of them happens  
8 to be lots of coal. While keeping environmental --  
9 while keeping environmental concerns up front and as a  
10 number one priority we can move these technologies and  
11 processes forward so our sons and daughters will have  
12 the opportunity to raise their sons and daughters with  
13 a safe, reliable environmental responsible power  
14 supplies. All the while shoring up our local economy  
15 and putting Illinois residents to work.

16           I'm very much in favor of moving this  
17 permitting process forward and letting the men and  
18 women of Central Illinois show the world what an  
19 educated well-trained work force can achieve. This  
20 country did not put men on the moon by sitting on our  
21 hands. Let's put that same spirit of progress and  
22 innovation behind FutureGen and the proud residents of  
23 Morgan County. Together we can develop these processes  
24 in a safe environmentally responsible manner and set a  
25 standard for the rest of the power industry worldwide.

1 Thank you.

2 MS. PASTOR: Okay. Jason, you're up.  
3 Bill Hoback you're on deck.

4 MR. MCKINLEY: Hello. I'm Jason McKinley,  
5 M-c-K-i-n-l-e-y. I represent the Boilermakers Local  
6 363, and approximately 600 members. We serve 57  
7 counties here in Illinois and we have several members  
8 that live here in Morgan County and the surrounding  
9 counties. And I'm here to speak in favor of the  
10 permits on behalf of myself and our members.

11 Our primary work is in power plants and  
12 power generation facilities and we believe not only the  
13 jobs that will be created during construction and the  
14 direct and indirect jobs that will be created will be  
15 more permanent jobs after construction are important,  
16 but also the ramifications of this power plant and the  
17 carbon capture technology that could spread to other  
18 plants and keep our industry viable for many years.

19 And I think it should also be noted when  
20 talking about the jobs that a lot of our living is made  
21 during, what we refer to as the outage season. When we  
22 do periodic maintenance on these power plants. And so  
23 there will be -- I think the job numbers are low  
24 because we will be back to service the facility on a  
25 fairly regular basis. And those are jobs that haven't

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1 been talked about today, but they're very important to  
2 myself and our members because that's how we make our  
3 living.

4 We, you know, we aren't scientists. We  
5 have read, we're well-read on the carbon capture and we  
6 do believe that the Environmental Protection Agency and  
7 FutureGen Alliance has our -- has protected us and  
8 looked out for our best interest. So, again, we're in  
9 favor of moving this forward. Thanks.

10 MS. PASTOR: This is Bill Hoback and Harry  
11 Driver be ready you'll be next.

12 MR. HOBACK: My name is Bill Hoback. I'm  
13 Bureau Chief of the Illinois Office of Coal  
14 Development. My last name is spelled H-o-b-a-c-k. The  
15 Office of Coal Development has been an active member of  
16 the FutureGen 2.0 oxy-combustion carbon capture and  
17 storage project since it's inception.

18 Projects of this type are complex and have  
19 many moving parts at the same time. A lot has been  
20 accomplished in a very short time. I would like to  
21 commend the citizens of Jacksonville and Meredosia and  
22 your elected officials, the citizens of Morgan County  
23 and your county board members for their support, their  
24 patience, and their enthusiasm for FutureGen 2.0.

25 This is a first Class VI well application the U.S. EPA

1 has taken to a hearing. I'm aware of the scrutiny of  
2 the permitting process, testimony and your responses  
3 will receive. The State of Illinois has worked with  
4 the FutureGen Alliance and U.S. DOE to ensure the best  
5 practices have been used since the very early stages of  
6 the FutureGen project.

7                   After reviewing the criteria used by the  
8 U.S. EPA to evaluate the technical and the project's  
9 specific information, I am confident that the U.S.  
10 EPA's efforts to evaluate all available information to  
11 reach the decision to issue this draft permit was  
12 comprehensive and accountable to the people of the  
13 State of Illinois.

14                   In addition to FutureGen which will  
15 capture and store more than 20 million metric tons of  
16 CO2, Archers Daniel Midland in Decatur is fast  
17 approaching a 1-million metric ton milestone as one of  
18 the nations first large scale carbon capturing  
19 sequestration projects. We offer, meaning Illinois,  
20 offer some of the best sequestration geology anywhere.

21                   The Mount Simon Sandstone in this case is  
22 a large capacity porous rock layer filled with briny  
23 water. This project in a constructive manner takes  
24 clean coal technology to the next level by capturing  
25 carbon dioxide and permanently storing it underground

1 greatly reducing the emission footprint for a  
2 coal-fired power plant.

3           The FutureGen-type coal projects along  
4 with the great strides means increasing America's  
5 renewable energy portfolios goes a long way in meeting  
6 all of the above domestic energy portfolio's strategy.  
7 The FutureGen 2.0 oxy-combustion -- the coal to  
8 electricity 90 percent carbon capture and storage  
9 project is in the best interest of the citizens of the  
10 United States.

11           I hope that everyone understands that  
12 FutureGen is a well-planned world-class effort to  
13 demonstrate technology that can make a difference in  
14 reducing emissions of greenhouse gases. I thank you  
15 all for your time.

16           MS. PASTOR: Harry Driver come on down.  
17 Betty Niemann, you're on deck.

18           MR. DRIVER: My name is Harry Driver,  
19 D-r-i-v-e-r. I'm a member of the Pipefitters Local 137  
20 out of Springfield, but I live in Jacksonville. And  
21 everybody's talking about the impact on Morgan County.  
22 Well, what about the counties around Morgan County?  
23 When we built that power house they was from Brown  
24 County, Pike County, all around. They wasn't all just  
25 from Morgan County. And it's going to help the people

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1 of Meredosia because they'll be buying groceries there,  
2 they'll fill their cars up with gas when they come to  
3 work or when they leave.

4 So I think this is an impact on the whole  
5 community. West Central Illinois total. Not just  
6 Morgan County. Thank you.

7 MS. PASTOR: Betty and David Gross will be  
8 following Betty.

9 MS. NIEMANN: Thank you. My name is Betty  
10 Niemann, N-i-e-m-a-n-n. I'm a land owner and a  
11 concerned citizen. I will be submitting my written  
12 comments, but I do have a few oral comments I wish to  
13 make.

14 Most of you know that I'm against granting  
15 the permits for the underground injection well. And  
16 just recently as of Sunday a thought occurred to me,  
17 the Houston Chronicle reported Brazoria County, Texas,  
18 which is south of Houston, is going to use the saline  
19 aquifer and pump out the saline and apply desalination  
20 to fulfil their water requirements in a drought  
21 situation.

22 So as the U.S. EPA is over the drinking  
23 water, what plans do you have for the future if the  
24 doomsday predictions are that we are going to end up in  
25 drought and we will have to seek other ways for water?

1                   The Mount Simon sandstone is a saline  
2 aquifer. It's large and could possibly be a water  
3 source with the desalination as a result of its being  
4 pumped out to produce fresh water for this water and  
5 for agriculture. I believe people like to eat. I know  
6 we need power but we also need to eat.

7                   Now, this is my main concern for tonight,  
8 is the fact that we do have a responsibility for the  
9 future. Not only with clean air and clean water, but  
10 we also have to protect our resources for the future.  
11 And those resources are not only our coal but our water  
12 and I find that the oxy-combustion method used by  
13 FutureGen uses a lot more coal and we will run out of  
14 it faster if this is deployed as a widespread  
15 technology.

16                   FutureGen is not the first sequestration  
17 power-generated plant. It's the first oxy-combustion.  
18 Edwardsport, Indiana has a facility that is to produce  
19 greater than 500 megawatts of energy. However, it was  
20 supposed to be a CCS technology but the "S" dropped out  
21 when the Mount Simon Sandstone couldn't support it.  
22 The next one that is almost operational is Kemper down  
23 in Mississippi. Both of these plants uses less coal  
24 for their carbon capture than the FutureGen project.

25                   So I'm hoping that FutureGen is a

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1 one-of-its-kind, because if we need to go widespread  
2 CCS deployment we need to also use our coal wisely.  
3 Thank you very much.

4 MS. PASTOR: David Gross. No David  
5 gross? Going once, going twice. Well, I see a lot of  
6 people in the room and my list only has up to those  
7 people, up to David Gross who left, as signed up to  
8 speak. We have the room until 9 o'clock so if anybody  
9 out there came late, didn't sign the sheet and would  
10 like to make a comment or a second comment we can give  
11 you, spare you at least another few minutes. So  
12 anybody? Anyone else want to make a comment? Okay.

13 Well, then I guess for now we're done unless  
14 somebody walks in, in the next hour or so. We have the  
15 room until 9:00 and we're obligated to stay. But as  
16 far as anybody else making any comments, we'll close it  
17 for now and thank you for coming.

18 (7:50 p.m.)

19 (9:00 p.m.)

20 MR. JANN: Meeting is closed.

21

22

23

24

25

1 CERTIFICATE OF REPORTER

2 STATE OF ILLINOIS )

3 ) SS

4 COUNTY OF MACOUPIN )

5

6 I, Robin L. Stranimeier, hereby certify that I  
7 reported stenographically the foregoing proceedings at  
8 the time and place hereinbefore set forth; that  
9 thereafter the same was reduced to computer  
10 transcription under my supervision; and that this is a  
11 full, true, complete and correct transcription of said  
12 proceedings.

13

14

15

16

17 \_\_\_\_\_  
Robin L. Stranimeier, CSR-084-004700, RPR

18 Notary Public,

19 Macoupin County, Illinois.

20 My Commission expires: 08/18/2014

21

22

23

24

25

<p style="text-align: center;"><b>A</b></p> <p><b>abide</b> 13:6  <b>able</b> 17:9,11  <b>abundant</b> 17:20 27:2,7  <b>accept</b> 17:15  <b>accomplished</b> 29:20  <b>accountable</b> 30:12  <b>accurate</b> 8:5  <b>achieve</b> 27:19  <b>Act</b> 4:10 5:16,18 8:3  <b>action</b> 7:17  <b>active</b> 17:4 23:12          29:15  <b>actual</b> 14:8  <b>add</b> 8:10  <b>addition</b> 30:14  <b>additional</b> 25:10  <b>address</b> 8:9 24:23  <b>addresses</b> 27:3  <b>administrative</b> 8:11  <b>Administrator</b> 24:5  <b>advancement</b> 19:5  <b>agencies</b> 7:7  <b>agency</b> 2:5,8,11 6:17          10:6 12:4 18:6 29:6  <b>Agency's</b> 3:5  <b>aging</b> 27:3  <b>ago</b> 7:9 17:7  <b>agriculture</b> 33:5  <b>air</b> 12:3 33:9  <b>Alexander</b> 13:19  <b>Alliance</b> 1:7 3:6,22          5:10,13 6:15 10:17          10:18,22 11:8,10          12:15,23 17:1 25:19          29:7 30:4  <b>allow</b> 4:10 11:20 18:3  <b>alternative</b> 24:6  <b>Ameren</b> 23:20,20  <b>America</b> 19:25 21:12          23:24 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