

*Brookings County Commission*

314 6<sup>th</sup> Avenue  
Brookings, SD 57006  
Phone: (605) 696-8205  
Fax: (605) 696-8208  
Email: [commission@brookingscountysd.gov](mailto:commission@brookingscountysd.gov)

RECEIVED

OCT 23 2006

*Dennis Falken, Chairperson*

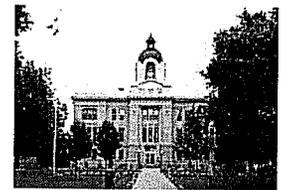
*Emil Klavetter, Vice-Chairperson*

*Don Larson, Commissioner*

*Mary Negstad, Commissioner*

*Deanna Santema, Commissioner*

SOUTH DAKOTA PUBLIC  
UTILITIES COMMISSION



October 16, 2006

South Dakota Public Utilities Commission  
500 East Capitol Avenue  
Pierre, SD 57501-5070

RE: Local Review Committee Report  
Energy Conversion Facility Docket EL-05-001  
06-020

Dear Sirs:

Enclosed please find the final social and economic impact study from the Local Review Committee regarding the Navitas Proposed Energy Conversion Facility which will be located southeast of White, South Dakota.

The report addresses impacts to the twelve areas outlined in SDCL 49-41B-7 and was approved by the Local Review Committee on October 16, 2006.

Thank you for giving me the opportunity to serve on this local review committee and thanks to the committee members who elected me chairman. Please feel free to contact me with any questions regarding this report.

Sincerely,

Dennis Falken, Chairman  
Brookings County Commission

RECEIVED

OCT 23 2006

SOUTH DAKOTA PUBLIC  
UTILITIES COMMISSION

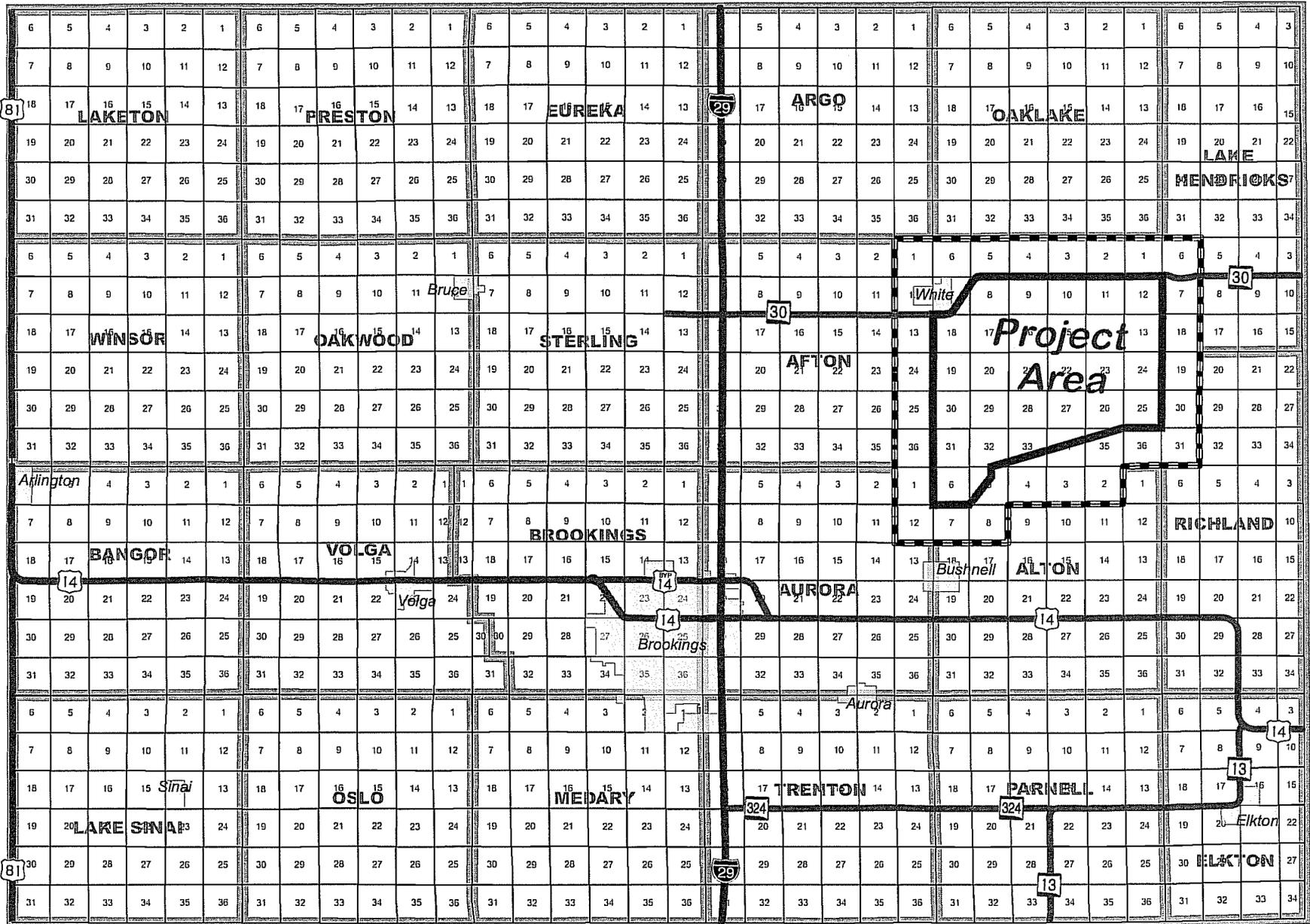
Proposed White Wind Farm Project  
White, Brookings County, South Dakota

# **SOCIAL AND ECONOMIC IMPACT STUDY**

Fall 2006

Prepared for the South Dakota Public Utility Commission  
In the matter of a Permit for an Energy Conversion Facility  
Docket EL05-001

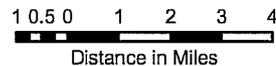
Prepared by the First District Association of Local Governments  
[www.1stdistrict.org](http://www.1stdistrict.org)  
124 1<sup>st</sup> Avenue NW, Watertown, SD 57201

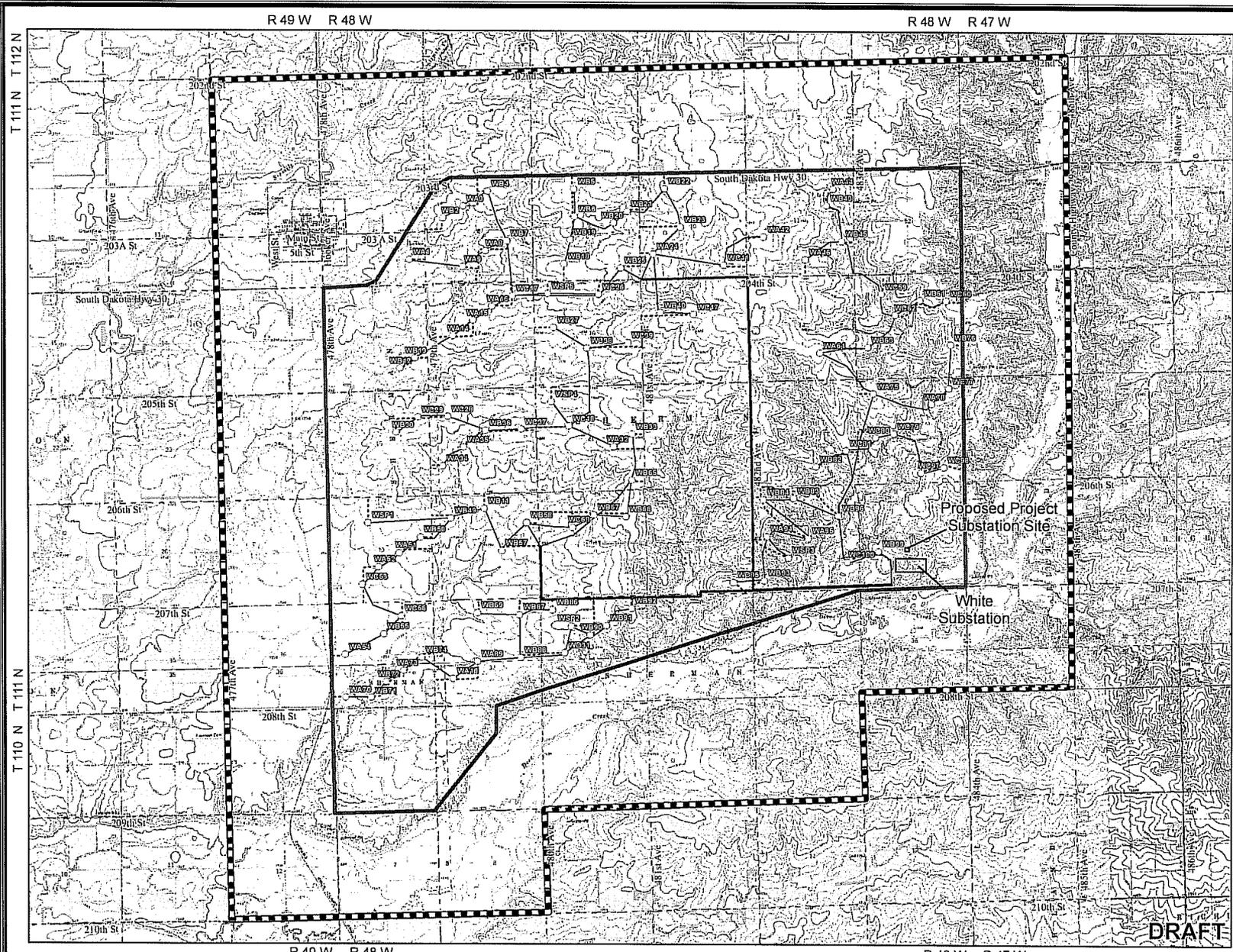


**Legend**

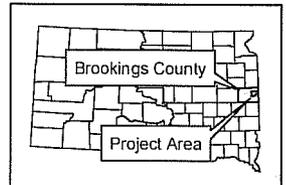
-  Project Area Boundary
-  Study Area Boundary
-  Highway
-  City

### Brookings County Wind Project Area

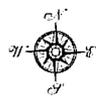




### PROJECT LOCATION



-  Proposed Turbine Location
-  Access Road
-  Proposed Overhead Collection Line (34.5kV)
-  Proposed Underground Collection Line (34.5kV)
-  Project Area Boundary
-  Study Area Boundary



<b>White Wind Farm Project</b>		
<b>PROJECT LOCATION</b>		
<small>Study Area: Brookings County, South Dakota</small>		
<small>Date: 05.18.04</small>	<small>Figure 1-1</small>	<small>Author: cjr/mjm</small>
<small>© 2004 by White Wind Farm LLC. All rights reserved. 1-1_11x17.mxd</small>		

**DRAFT**

The Local Review Committee has reviewed the social and economic impacts of the proposed White Wind Farm Project within the defined project area on the twelve areas outlined in SDCL 49-41B-7 and has made the following determinations:

**Housing Supplies** – The White Wind Farm will have no effect on housing supplies in the project area.

**Educational Facilities and Manpower** – The White Wind Farm will have a positive impact on educational facilities and manpower in the project area through an increase in the tax base.

**Water Supply and Distribution** – The White Wind Farm will have no effect on water supply and distribution in the project area.

**Wastewater Treatment and Collection** – The White Wind Farm will have no effect on wastewater treatment and collection in the project area.

**Solid Waste Disposal and Collection** – The White Wind Farm will have no effect on solid waste disposal and collection in the project area.

**Law Enforcement** – The White Wind Farm will have no effect on law enforcement in the project area.

**Transportation** – The White Wind Farm may impact spring load limits on certain roads in the project area.

**Fire Protection** – The White Wind Farm will require area fire departments to undergo responder training should they be called to an incident atop a wind turbine.

**Health** – The White Wind Farm will have no effect on the health of persons living or traveling within the project area.

**Recreation** – The White Wind Farm will have no effect on recreation within the project area.

**Government** – The White Wind Farm will have a positive impact on government in the project area through an increase in the tax base.

**Energy** – The White Wind Farm may introduce noise into copper telephone lines and will increase the energy production in the project area.

The White Wind Farm will have no negative impacts on the project area that cannot be addressed through reasonable mitigation measures and it is the recommendation of the Local Review Committee to the Public Utilities Commission that the proposed energy conversion facility be approved.

## **Project Description**

White Wind Farm, LLC (Applicant), a wholly-owned subsidiary of Navitas Energy, Inc. (Navitas), is proposing to construct a large utility-scale wind-powered electric energy generating facility, the White Wind Farm (Project), in eastern Brookings County, South Dakota. The proposed Project would include construction of up to 105 2-megawatt (MW) wind turbine generators (WTG or turbine) with a net capacity of up to 200 MW. In addition to the WTGs, components of the proposed Project would include constructing, operating, and maintaining access roads, overhead and underground electric collector lines, a new collection substation, a communication system, and interconnection to a U.S. Department of Energy (DOE), Western Area Power Administration (Western) substation.

**Project Area:** The Project Area is located entirely within Sherman Township, Brookings County, South Dakota immediately southeast of the City of White, and approximately 10 miles northeast of the City of Brookings (**Figure 1.1**). The Project Area covers an area of approximately 28 square miles (17,920 acres). The proposed Project would be constructed within the boundaries of the Project Area.

**Study Area:** The Study Area covers approximately 55.5 square miles (35,520 acres). The Study Area encompasses all of the Project Area and a one-mile buffer surrounding it. The Study Area covers all of Sherman Township as well as portions of Afton, Alton, Aurora, Lake Hendricks, and Richland Townships. **Figure 1.1** shows the Study Area in relation to the Project Area. The City of White is located in the northwestern corner of the Study Area outside of the Project Area.

**Construction Activities:** The Applicant would begin construction in 2007 and anticipates an eight-month construction schedule. However, this schedule is subject to negotiations with regulatory agencies and utilities and may change. With the exception of the overhead lines to be constructed within public road right-of-way, the proposed Project would be constructed on privately owned lands pursuant to landowner agreements and according to county, state, and Federal policy requirements.

The Applicant has obtained all necessary leases from private landowners to construct and operate the proposed Project.

Construction activities would entail the following phases, listed in approximate order of occurrence, although some of the activities would be carried out concurrently:

- Road clearing and construction;
- Construction of WTG foundations (grading, excavation, reinforcing steel placement, and concrete pouring);
- Grading, trenching, and placement of underground utilities (electric and communication lines);
- Overhead electrical collection line construction;
- Tower assembly, nacelle installation, rotor assembly and installation, and equipment installation, including installation of the communication system, supervisory control and

data acquisition (SCADA) software and hardware, and telephone or fiber optic cables; and

- Final road grading, erosion control, and reclamation.

Construction activities would be temporary and would involve the use of heavy equipment including bulldozers, graders, trenching machines, concrete trucks, tractor-trailer trucks, and large cranes. It is anticipated that local workers from Brookings County would fill the majority of open construction jobs. Labor trades anticipated to be required during construction include electricians, crane operators, heavy equipment operators, and other skilled construction laborers.

**Operation and Maintenance:** Following construction, areas not maintained as permanent facilities would be reclaimed to their prior land use. Approximately 74 acres would no longer be available for agricultural use. However, the proposed Project would result in few changes to existing agricultural practices because farming and grazing would continue in and around the WTGs and other project facilities. Because the footprint of the proposed Project would be relatively small compared with the overall size of the Project Area, and much of the area is tilled annually for agricultural production, these direct impacts would not be significant.

Disturbed vegetation in non-agricultural areas would be reseeded in accordance with landowner agreements or local county extension service protocols.

During the operation and maintenance phase, WTG operations would be continuously monitored for any abnormalities and, if required, maintenance staff would be dispatched to a WTG that is not operating correctly. Routine maintenance of the WTGs would be conducted every six months. Maintenance activities include lubrication and inspection of WTGs components and fasteners. The WTGs have a design life of 20 years. However, unscheduled maintenance events could require the use of a crane to remove and replace turbine components. In the event that a crane is required to remove or replace a turbine component, all construction activity would be conducted within the previously disturbed area.

During operation of the proposed Project substation, authorized personnel would conduct periodic inspections and service and repair equipment as needed. Sulfur hexafluoride (SF<sub>6</sub>), a gaseous dielectric is used in high-voltage circuit breakers, switchgears, and other electrical equipment. Project personnel would monitor the use, storage, and replacement of SF<sub>6</sub> to minimize the any releases to the environment. The likelihood for accidental release is low, as SF<sub>6</sub> gas is supplied in sealed units and is factory-certified not to leak.

The Applicant has entered into up to 20-year lease agreements for placement of the WTGs and associated infrastructure with private landowners within the Project Area. The Applicant would have the option to renew leases at the end of the 20-year agreements versus decommissioning the facility based on market conditions. At the end of the lease period, depending on current wind turbine technology, the WTGs may be updated with more efficient components, thereby extending the service life of the proposed project.

Within 120 days of the completion of Project construction, the Applicant would submit a Decommissioning Plan to the Brookings County Planning and Zoning Department. The Decommissioning Plan would outline the manner in which decommissioning activities would be conducted. Upon termination of operations, and if the WTGs are not updated, the Applicant would be obligated to dismantle and remove all Project components. Unless written approval is given by the affected landowner, all Project components would be removed to a depth of 48 inches below grade and the soil would be restored to a condition reasonably similar to the condition of the surrounding soil.

### **Local Review Committee**

Under SDCL 49-41B-6, the Commission is required to designate the affected area relative to Navitas' January 13, 2005 filing of its Notification of Intent to Apply for Permit of an Energy Conversion Facility (Docket EL05-001), and also to designate a local review committee within thirty days after the filing of the Notification of Intent. According to SDCL 49-41B-2(8), the term "siting area" is defined as "that area within ten miles in any direction of a proposed energy conversion facility or which is determined by the commission to be affected by a proposed energy conversion facility." In ARSD 20:10:22:01(1), "affected area" is defined as "that area which may be affected environmentally, socially, aesthetically, or economically by the location of a facility at a proposed site."

At its February 8, 2005 meeting, the Commission discussed the designation of the affected area and the local review committee. The Commission determined that the affected area for Navitas' proposed electric generating project is an area in Brookings County encompassing that portion of Argo Township not located within the Elkton School District and all of Afton, Aurora, Alton, Richland, Lake Hendricks, Oak Lake and Sherman Townships and the city of Brookings, which is adjacent to Aurora Township. Included within this area are the cities of Aurora, Brookings, Bushnell and White and portions of the Brookings, Elkton and Deubrook School Districts. In accordance with SDCL 49-41B-6, the Commission designated the local review committee (Committee) which is comprised of the following individuals, ex officio:

- The Chairman of the Brookings County Commission;
- The Presidents of the School Boards of Brookings School Districts 05-1, Elkton School District 05-3 and Deubrook School District 05-6;
- The Mayors or presiding officers of the cities of Aurora, Brookings, Bushnell and White; and
- A person appointed by Navitas.

On its February 14, 2005 letter, the Commission designated the following individuals:

- Mr. Dennis Falken, Chairman, Brookings County Commission;
- Ms. Amy Dunkle, President, Brookings School District 05-1;
- Mr. Tim Bauer, President, Elkton School District 05-3;
- Mr. Bert Rogness, President, Deubrook School District 05-6;

- Mr. Fred Weeks, Mayor, City of Aurora;
- Mr. Scott Munsterman, Mayor, City of Brookings;
- Mr. Mike Osborn, Board President, City of Bushnell, represented by Mr. Josh Petersen;
- Mr. Daniel Streff, Mayor, City of White;
- Mr. Christopher F. Moore, Director of Development, Navitas, represented by Mr. Marcus V. da Cunha, Sr. Project Developer.

On its March 1, 2005 memorandum, the Commission scheduled an initial meeting for March 10, 2005, for the Committee to designate a chairperson and formulated a plan to meet the statutory requirements stated hereinafter.

On March 10, 2005, five out of nine members of the Committee met and unanimously designated Mr. Dennis Falken as chairman. The Committee agreed to invite the mayor of the City of Elkton and a representative of South Dakota State University, to expand the scope of this study to “economic impacts”, to allow Navitas to gather data and conduct interviews with authorities (provided a check system is in place), and to reconvene monthly.

During the spring of 2005, South Dakota law changed regarding the permitting of wind farms and the committee was disbanded. PUC Staff informed the applicant that the old law still applied to the current proposal and the Local Review Committee was restarted in June 2006. The new committee included:

- Mr. Dennis Falken, Chairman, Brookings County Commission;
- Ms. Amy Dunkle, President, Brookings School District 05-1;
- Mr. Tim Bauer, President, Elkton School District 05-3;
- Mr. Bert Rogness, President, Deubrook School District 05-6;
- Mr. Fred Weeks, Mayor, City of Aurora;
- Mr. Scott Munsterman, Mayor, City of Brookings;
- Mr. Dave Landsman, Mayor, City of Elkton
- Mr. Josh Petersen, Mayor, City of Bushnell
- Mr. Randy Brown, Mayor, City of White;
- Dr. Michale Ropp, SDSU professor
- Mr. Christopher F. Moore, Managing Director, Navitas, represented by Mr. Douglas Copeland, Project Developer.

In addition, PUC staff directed the committee to hire a third party to take over the work originally started by Navitas staff regarding interviews and writing of the report. First District was hired to complete the report on August 21, 2006. Interviews were completed and the report was written and presented to the Local Review Committee on October 16, 2006.

Assessment by Local Review Committee (SDCL 49-41B-7)

---

Assessment by local review committee – Factors included. The local review committee shall meet to assess the extent of the potential social and economic effect to be generated by the proposed facility, to assess the affected area's capacity to absorb those effects at various stages of construction, and formulate mitigation measures. The assessment of the local review committee shall include but not be limited to consideration of the temporary and permanent alternatives in the following areas:

- (1) Housing supplies;
- (2) Educational facilities and manpower;
- (3) Waste supply and distribution;
- (4) Waste water treatment and collection;
- (5) Solid waste disposal and collection;
- (6) Law enforcement;
- (7) Transportation;
- (8) Fire protection;
- (9) Health;
- (10) Recreation;
- (11) Government;
- (12) Energy.

The following pages show a more in-depth description of the input received during the interview process. Interview transcripts and affidavits of interview are on file at the First District Association of Local Governments office located at 124 1<sup>st</sup> Avenue NW in Watertown, South Dakota and are available upon request.

**WHITE WIND FARM**  
**INTERVIEW AFFIDAVITS**

**NAVITAS ENERGY IS PLANNING ON BUILDING A LARGE, UTILITY SCALE WIND FARM IN BROOKINGS COUNTY SOUTHEAST OF THE CITY OF WHITE...**

**What kind of impact do you think this project will have on the Duebrook School District?**

Kevin Keenaghan, Superintendent, Duebrook School District:

“We as a school district have no problems with the project.”

**What kind of impact do you think this project will have on the Duebrook School District?**

Bert Rogness, President, Deubrook Area School:

“There shouldn’t be any negative impact on schools. There may be some additional tax revenue that would come to the district.”

**What kind of impact do you think this project will have on Brookings School District?**

Orville Creighton, Superintendent, Brookings School District:

“The Wind Farm will have a minimal impact on the Brookings School District.”

**What kind of impact do you think this project will have on education facilities and manpower in the district?**

Tim Bauer, Vice Chair, Elkton School District:

“The project may help bring more students to the area. I don’t think there will be any negative impacts.”

**What kind of impact do you think this project will have on law enforcement in the project area?**

Mark Mathies, City of Brookings Police Chief:

“During construction, there would be increased road traffic and a number of construction workers in the area, but overall I see no major negative impacts.”

**What kind of impact do you think this project will have on law enforcement in the project area?**

Jeff VanGerpen, Sergeant, SD Highway Patrol:

“I don’t foresee wind turbines causing any problems in enforcement of the laws I deal with.”

**What kind of impact do you think this project will have on the operations of the Brookings County Sheriff's office?**

Martin E. Stanwick, Sheriff:

“Any time there is large construction, it can lead to law enforcement problems. They work hard and they play hard. College kids do that too. We can handle that. I can't see any major issue other than maybe if there's a disgruntled person that is making some sort of threats. Providing extra security in the area would put a bind on the department. Extra patrol isn't a big thing.”

**What kind of impact do you think this project will have on Brookings County Emergency Management in the project area?**

Todd Struwe, Director, Brookings County Emergency Management:

“No impact.”

Darrell Hartmann, Fire Chief, Brookings Fire Department

“The wind farm could impact rescue capabilities if someone were to become injured atop a wind turbine. Additional training and equipment may be necessary to address the issue.”

**What kind of impact do you think this project will have on access and availability to health care in the project area?**

LaMay Schumacher, Administrator:

“I think it will be fine. I am familiar with the area (with turbines) near Hendricks, and it looks like everything is running smoothly there.”

**What kind of impact do you think this project will have on access and availability to health care in the project area?**

Patrick Waligoske, Administrator, Avera Brookings Medical Clinic:

“We are equipped and ready to serve if there are any work injuries during construction and/or maintenance.”

**What kind of impact do you think this project will have on wastewater treatment and collection in the project area?**

Paul Melby, Brookings Utility Operations Manager:

“If the turbine manufacturing is not done in this area, then no impact. Any manufacturing, including painting or creating circuit boards, would need to go through our pre-treatment program to meet federal standards. I would like to see a map of the project area to ensure wellhead protection.”

**What kind of impact do you think this project will have on energy availability in the project area?**

Paul Melby, Brookings Utility Operations Manager:

“The project is not beneficial to the greater public in the area. The Minnesota PUC wants wind energy, but the state doesn’t take into account the benefits from coal to go with wind. The Big Stone 2 project has to complement the wind power. The South Dakota PUC has been lagging, for good reason, on wind power because of the hydro capacity and less people. Legislation is subsidizing wind, causing the cost to rise. We could get a block in the power because of too much power flowing through the area, and electrical rates would rise. People need to understand the mix of electrical sources that are necessary.”

**What kind of impact do you think this project will have on the housing availability and pricing?**

Bob Hill, Brookings County Zoning Officer:

“I don’t think the project will impact the price of housing. Our minimum lot size is 35 acres, and setbacks keep the turbines away from homes.”

**What kind of impact do you think this project will have on the housing availability and pricing?**

Dan Hanson, Planning Administrator, City of Brookings:

“The area southeast of White is fairly isolated. Once the project is up and maintained, I don’t see any negative impact on housing.”

**What kind of impact do you think this project will have on the Brookings-Deuel Rural Water System?**

Pat Gilligan, General Manager, Brookings-Deuel Rural Water System

“I am familiar with your project. Normal construction procedure is the only impact that we see. Beyond that, I would see nothing but positive impact.”

**How do you think the Brookings Landfill will be affected by such a project?**

Robert B. McGrath, Director of Solid Waste:

“I don’t think that it’ll have any affect on us at all.”

**What kind of impact do you think this project will have on solid waste disposal and collection in the project area?**

Robert B. McGrath, Director of Solid Waste:

“I don’t think that it will have any impact.”

**What kind of impact do you think this project will have on the environmental health in the project area?**

Robert B. McGrath, Director of Solid Waste:  
“I don’t think that it will have any impact.”

**What kind of impact do you think this project will have on wastewater treatment and collection in the project area?**

Daniel Biefeldt, Owner:  
“I don’t see the project in any negative way.”

**As an organization that operates within the vicinity of this project area, will East River Electric Power Cooperative, Inc., be impacted by this wind farm project?**

Jim Edwards, Assistant General Manager, Operations:  
“East River is a transmission provider in the Brookings area and ties into the Western substation. I don’t see how this would have any impact on East River, as long as there is no negative impact on the Western Area Power Administration White substation.”

**What kind of impact do you think this project will have on Heartland Consumer Power District in the project area?**

Tim Mullenberg, Manager of Customer Relations, Heartland Consumer Power District:  
“The wind farm should have a positive effect on Heartland and other utilities because of the need for base load resources in the region. Base load resources can take many years to build; the increase in energy provided by the wind farm may help to address market shortfalls and hopefully provide some cost stability.”

**What kind of impact do you think this project will have on Sioux Valley Energy in the project area?**

Corey Kaususke, Manager of Engineering, Sioux Valley Energy:  
“Sioux Valley Energy was contacted earlier this year by a consultant who had been hired to locate and design 34.5kV collector circuits for the above-mentioned wind farm. We reviewed the proposed routes and prepared cost estimates to relocate our overhead distribution facilities where there were crossing or clearance issues between our lines and their proposed lines. It is our understanding that if this wind farm project moves forward, we will be reimbursed for all of our costs to relocate our facilities, thereby minimizing any impact to SVE in this regard. No formal agreements have been finalized in this regard at this point in time.

Of greater concern to us is the issue of providing retail service to any load within our assigned service territory. Each turbine placed within our assigned service territory could, and should, be considered a retail consumer of electricity, not just a generator, as when the wind is not blowing and the generators are idle, they actually consume electricity. Due to the size of the proposed wind farm, this could

have a significant impact on Sioux Valley Energy, although I have not been informed of the exact number or location of the turbines proposed to be able to estimate the impact.

Another concern we have is that once these “collector circuits” are constructed, they not be tapped in to, to provide service to any future electric load as a manner of convenience. This has already been an issue for SVE in other areas on our system where our service territory adjoins another utility, and both utilities have power lines in the area. Consumers then will typically want to connect to whoever is closest, as a matter of convenience. This would be in direct conflict with the service territory laws as established in the mid 1970s, which we strictly adhere to.”

**What kind of impact do you think this project will have on ITC Telephone Services in the project area?**

Ren Preheim, Network Operation Manager, ITC Telephone Services:

“Certain wind generators and the associated collector systems have been found to cause harmonic induction noise. The noise levels are a serious threat to the public safety. Any successful mitigation measures are extremely expensive. This is the reason for South Dakota Codified Law 49-32-3.1. We are hopeful that through a joint effort with Navitas Energy that these induction noises may be avoided.”

**What kind of economic impact do you think this project will have in the project area?**

Michael Ropp, Associate Professor of EE

“My (somewhat limited) experience suggests that there will be four primary economic benefits within the project area:

- 1) The hiring of many local construction workers and contractors during the building of the plant;
- 2) The hiring of perhaps four to six full-time on-site operators and maintenance personnel to run the plant;
- 3) Income to the landowners from their leases to Navitas;
- 4) Income to the county from property taxes on the turbines.

The first is a potentially large but short-term benefit, while the other three are ongoing.

There will also be increased costs associated with the wind farm, in the form of:

- 1) Increased maintenance on county roads;
- 2) A modest loss of arable land (less than 5% of the total wind farm area);
- 3) Potential costs to local telecommunications companies who may have to mitigate noise issues in their systems arising from the operation of the wind farm;
- 4) A potential increase in electric rates as power companies attempt to recover their costs associated with the wind farm from ratepayers.

(Note that all available evidence, including several studies based on our region, suggests that these costs are in the range of negligible to very low.)

Experience suggests that the costs (with the ~possible~ exception of the third one) are small, and thus the NET economic impact in the project area can be expected to be quite positive.”

**What kind of impact do you think this project will have on Brookings County Highway Department?**

Ted Eggebraaten, Brookings County Highway Superintendent:

“Impact of overweights on the road system during construction—especially during spring load restrictions.”

**What kind of impact do you think this project will have on the City of Brookings?**

Scott Munsterman, Mayor, City of Brookings:

“The wind farm will have a positive economic impact and the promotion of alternative energy sources will benefit customers by lowering electrical rates.”

**What kind of impact do you think this project will have on the City of Aurora?**

Fred Weekes, Mayor, City of Aurora:

“There might be a short-term impact on Aurora with the housing needed for the workers installing the wind turbines. However, I do not feel that there will be a long-term impact on the City of Aurora.”

**What kind of impact do you think this project will have on the City of Bushnell?**

Josh Petersen, Board President, Town of Bushnell:

“The project will be good for Bushnell.”

**What kind of impact do you think this project will have on Oak Lake Township?**

David Hicks, Oak Lake Township:

“It will help the people in the township.”

## Tax Impact of White Wind Farm in Brookings County

Information from Joyce Dragseth, Director of the Brookings County Equalization Office

The estimated taxing of turbines for the White Wind Farm Project in Brookings County is based on a presumed project cost of \$1 per Watt installed, multiplied by the percentage of assumed real property, the tax rate and the taxable factor. The equation is:

$$\text{\$1 per Watt} * 25\% * \text{tax rate} * \text{taxable factor} = \text{taxes paid per turbine}$$

It is estimated that 25% of the turbine installation cost qualifies as real property

The tax rate is \$23.23/\$1000 or .02323.

The taxable factor is .906.

Each turbine is rated at 2MW or 2 million Watts.

The equation is then:

$$2,000,000 * .25 * .02323 * .906 = \text{\$12,627.83 taxes assessed per turbine.}$$

The project will include 100 turbines, which means the total taxes collected in Brookings County are estimated at:

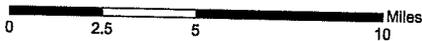
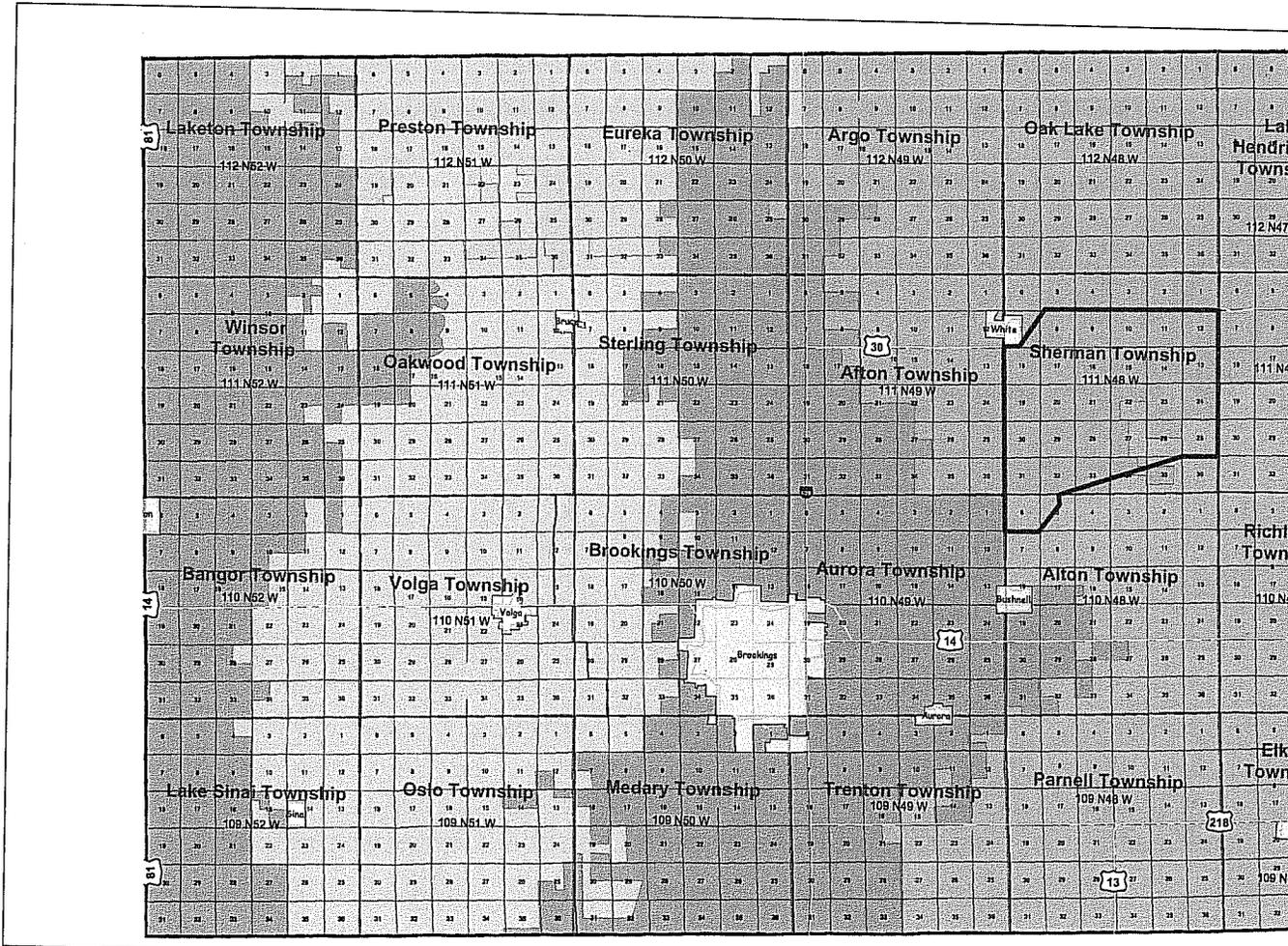
\$1,052,319 per year

Total taxes collected (estimate) are \$1,052,319 per year and all stay in the county.

Local Agency	Amount from 23.23/1000	Amount Allocated
Sherman Township	.37/1000	\$16,761.00
Brookings County	5.13/1000	\$232,389.00
School Districts – Duebrook and Elkton*	17.70/1000	\$801,810.00
East Dakota Water Development	.03/1000	\$1,359.00

\*The majority of the wind turbines are in Duebrook

# Brookings County School District



- School Districts**
- ARLINGTON 38-1
  - BROOKINGS 05-1
  - DEUBROOK 05-6
  - ELKTON 05-3
  - ESTELLINE 28-2
  - SIOUX VALLEY 05-5



NOTE: THIS MAP IS FOR REFERENCE ONLY. Although every effort has been made to ensure the accuracy of information, errors are possible. The user assumes all responsibility for the use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other conditions specific to certain data.