

Ohio Power Siting Board Process

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National
Association of
Regulatory
Utility
Commissioners

Ohio

**Public Utilities
Commission**



Mission Statement

To support sound energy policies that provide for the installation of energy capacity and transmission infrastructure for the benefit of the Ohio citizens, promoting the state's economic interests, and protecting the environment and land use.

OPSB History

- Created in 1972
- Ohio Revised Code Chapter 4906
- Independent Board under PUCO in 1981

Member Agencies

- Public Utilities Commission of Ohio - Chairman
- Ohio Environmental Protection Agency
- Ohio Department of Development
- Ohio Department of Health
- Ohio Department of Agriculture
- Ohio Department of Natural Resources
- Public Member
- Four Legislative Members
 - 2 from Ohio House of Representatives
 - 2 from the Ohio Senate



“Although humans make sounds with their mouths and occasionally look at each other, there is no solid evidence that they actually communicate among themselves.”

Balancing of interests is successfully achieved through active participation of the member agencies that comprise the Board



Board Jurisdiction

Major Utility Facility

- A generating plant of 50 megawatts or more;
- An electric transmission line of 125 kilovolts or more; or
- A gas or natural gas transmission line capable of transporting gas at more than 125 pounds per square inch of pressure

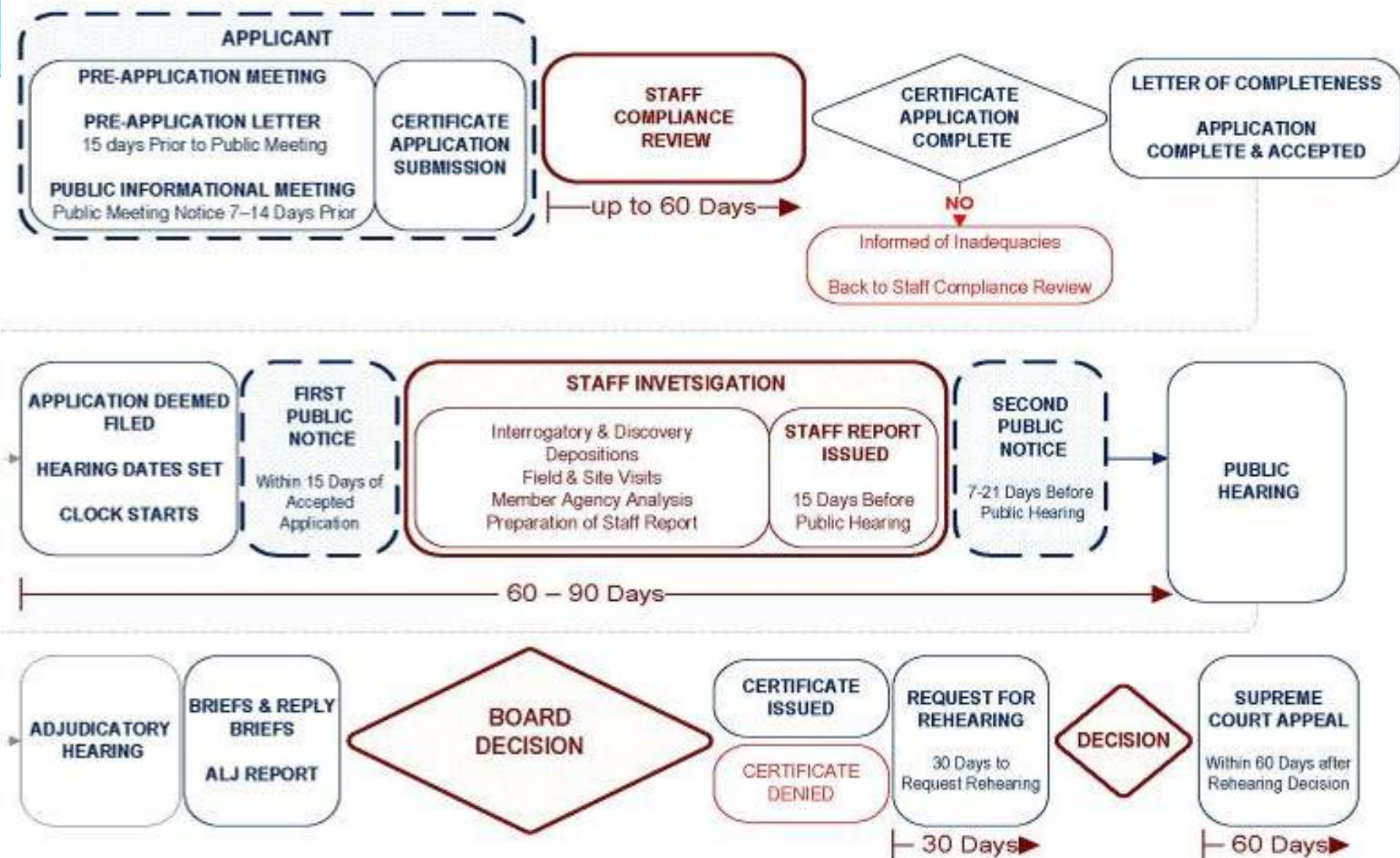
And,

- Any wind farm of 5 megawatts or more;

Process

- Pre-Application meetings and conferences
- Pre-Application Public Informational meetings
- Application submitted
- Completeness Review
- Letter of Completeness
- Proof of Service
- Board Entry establishing Filing Date & Hearing schedule
- Public Notice published by Applicant
- Staff Report
- Public Hearing
- Adjudicatory Hearing
- Board Decision
- Appeal Process

OHIO POWER SITING STATUTE PROCESS FLOWCHART*



BOARD MONITORS CONSTRUCTION AND FIRST TWO YEARS OF OPERATION OF FACILITY
Conditions of Certificate Apply for the Life of the Facility

Public Participation

Formal

- Intervention by Public Officials
 - Township Trustees, County Commissioners, City Officials, etc.
 - Notice Required
- Intervention by persons impacted
 - Request for intervention
 - Counsel required

Public Participation

Informal

- Written submissions to the Board
- Toll-free Phone Inquiries
- Sworn Testimony at Public Hearing

Notification

- Filings of notices with local officials
- Filings of applications at local libraries
- Written notice to directly impacted landowners of upcoming meetings/hearing

Staff Qualifications

- Mechanical Engineering
- Electrical Engineering
- Environmental Science
- Masters Environmental Economics
- Education
- Economics
- Sociology
- Geology
- PhD Industrial and System Engineering
- Chemical Engineering
- Chemistry
- Mass Media and Organizational Communications
- Natural Resources
- Electronic Engineering Technology
- International Business
- Physics
- Government
- Masters City and Regional Planning
- Real Estate
- Environmental Biology
- Meteorology
- Oceanography
- Petroleum Engineering
- Finance
- Botany
- Business Administration and Marketing

OPSB Decision

- The need for the (transmission) facility
- The probable environmental impact
- Whether the facility represents the minimum adverse environmental impact considering the technology that is available and the nature and economics of the various alternatives
- Compliance with all air and water pollution control and solid waste disposal laws and regulations
- Consistent with regional plans for expansion of the electric power grid, and the interests of electric system economy and reliability
- Public interest, convenience and necessity
- Impact on agricultural lands
- Water conservation practices

OPSB Electric Generation Applications

(1998-2012)

GENERATION SUMMARY			
GENERATION CASES BY STATUS	Number Of Cases	Capacity (MW)	Estimated Capital & Intangible Costs
ACTIVE			
Certified - Operational	16	7,460	\$2,951,633,700
Certified - Not Yet Online	21	7,229	\$8,193,567,497
Certification Pending	8	1,653	\$1,195,000,000
TOTALS:	45	16,342	\$12,340,201,197

GENERATION CASES BY FACILITY TYPE	Number Of Active Cases	Capacity (MW)	Estimated Capital & Intangible Costs
Coal (i.e. IGCC)	4	2,169	\$3,974,400,000
Cogeneration-Waste Heat	4	405	\$524,831,197
Combined-Cycle	6	4,797	\$1,571,000,000
Compressed Air	1	2,700	\$1,650,000,000
Simple-Cycle	11	4,525	\$1,537,190,000
Wind	19	1,746	\$3,082,780,000
FACILITY TOTALS:	45	16,342	\$12,340,201,197

OPSB Transmission Applications (1998-2012)

ELECTRIC TRANSMISSION SUMMARY			
TRANSMISSION LINE CASES BY STATUS	Number Of Cases	Miles	Estimated Capital & Intangible Costs
ACTIVE			
Certified - Operational	11	71.7	\$40,825,000
Certified - Not Yet Online	7	38.5	\$66,758,400
Certification Pending	6	86.1	\$34,458,429
TOTALS:	24	196.2	\$142,041,829

VOLTAGE LEVEL STATS (kV)			
ACTIVE			
138	19	150.8	\$118,170,829
345	5	45.4	\$23,871,000
765	-	-	-
VOLTAGE LEVEL TOTALS:	24	196.2	\$142,041,829

GAS TRANSMISSION SUMMARY			
TRANSMISSION LINE CASES BY STATUS	Number Of Cases	Miles	Estimated Capital & Intangible Costs
ACTIVE			
Certified - Operational	13	109.4	\$125,095,623
Certified - Not Yet Online	-	-	-
Certification Pending	3	241.5	\$559,944,714
TOTALS:	16	350.9	\$685,040,337

OPSB Construction Notices/Letter of Notifications (1998-2012)

ELECTRIC LETTER OF NOTIFICATIONS

	Number Of Cases	Miles	Estimated Costs
Operational, Completed	173	139.4	\$125,901,372
Not Yet Completed	22	30.0	\$35,406,827
TOTALS:	195	169.4	\$161,308,199

ELECTRIC CONSTRUCTION NOTICES

	Number Of Cases	Estimated Costs
Operational, Completed	74	\$71,748,886
Not Yet Completed	12	\$71,748,886
TOTALS:	86	\$143,497,772

GAS LETTER OF NOTIFICATIONS

	Number Of Cases	Miles	Estimated Costs
Operational, Completed	13	156.7	\$125,095,623
Not Yet Completed	5	10.5	-
TOTALS:	18	167.2	\$125,095,623

GAS CONSTRUCTION NOTICES

	Number Of Cases	Estimated Costs
Operational, Completed	69	\$56,779,585
Not Yet Completed	15	\$19,886,000
TOTALS:	84	\$76,665,585

OPSB Wind Projects

OHIO WIND TOTALS				
			Certified	Pending
Megawatt Totals:			1,051	755
Turbine Count Totals:			571	366
Total Potential Megawatts:			1,806	
Total Potential Turbines:			937	
Received Certificate of Environmental Compatibility and Public Need				
<u>Case No. / Project</u>	<u>County</u>	<u>Date Certified</u>	<u>Number of Turbines</u>	<u>Certified MW's</u>
08-0666-EL-BGN / Buckeye Wind Project	Champaign	22-Mar-10	54	135
09-1066-EL-BGN / Blue Creek Wind Farm Project	Paulding/Van Wert	23-Aug-10	159	350
09-0277-EL-BGN / Hog Creek Wind Farm I	Hardin	22-Mar-10	27	48.6
09-0479-EL-BGN / Hardin Wind Farm	Hardin	22-Mar-10	200	300
09-0980-EL-BGN / Timber Road I Wind Farm	Paulding	23-Aug-10	32	48.6
10-0369-EL-BGN / Timber Road II Wind Farm	Paulding	18-Nov-10	55	150.4
10-0369-EL-BGN / Timber Road III Wind Farm	Paulding	28-Feb-11	28	
10-0654-EL-BGN / Hog Creek Wind Farm II	Hardin	29-Aug-11	8	18.4
11-0757-EL-BGA / Hog Creek Wind Farm I	Hardin	25-Jul-11	See 09-0277	See 09-0277
11-1995-EL-BGA / Blue Creek Wind Farm	Paulding/Van Wert	25-Jul-11	8	See 09-1066
11-3446-EL-BGA / Hardin Wind Farm	Hardin	29-Aug-11	See 09-0479	See 09-0479
Totals:			571	1,051
Pending Certificate of Environmental Compatibility and Public Need				
<u>Case No. / Project</u>	<u>County</u>	<u>Number of Turbines</u>		<u>Pending MW's</u>
10-2865-EL-BGN / Black Fork Wind Farm	Crawford/Richland	91		200
11-2400-EL-BGN / Ashtabula Wind Energy ²	Ashtabula	28		50
11-3676-EL-BGN / Leipsic Wind Farm	Putnam	75		150
11-4886-EL-BGN / HoneyCreek Wind ²	Crawford/Seneca	115		184
12-0160-EL-BGN /Buckeye II Wind Farm ²	Champaign	57		171
Totals:		366		755

(1 - Application not yet received. Turbines/Megawatts unknown.) (2 - Application not yet received)

OPSB Summary

- One-Stop Siting Process
- Timely action: Approximately 6 to 12 months for applications, with statutory time mandates; even more expedited schedules may be an option under certain circumstances
- Regulatory certainty: process is known and well practiced
- Sole jurisdiction: local and public participation welcome in the process, but sole decision rests with the state (OPSB)
- Our siting process is fair and efficient and has been put forth as an example for others to follow
- Having seen our success, several states and countries have adopted new siting legislation modeled after Ohio's statute

Ohio Power Siting Board

www.OPSB.ohio.gov