

APPENDIX A
JEDI/IMPLAN RUNS FOR
500 MW PLANTS
(COAL, NATURAL GAS,
AND WIND FARMS)

SUMMARY TABLE

Coal

	<i>Direct Construction and Manufacturing</i>	<i>Direct, Indirect, and Induced Construction and Manufacturing</i>	<i>Direct Operating</i>	<i>Direct, Indirect, and Induced Construction and Manufacturing</i>
California	2,732	5,104	72	222
Texas	3,101	5,368	72	217
Iowa	3,395	5,450	72	244
Illinois	2,688	5,054	72	234
Pennsylvania	2,917	5,415	72	233
Average	2,967	5,278	72	230

Natural Gas

	<i>Direct Construction and Manufacturing</i>	<i>Direct, Indirect, and Induced Construction and Manufacturing</i>	<i>Direct Operating</i>	<i>Direct, Indirect, and Induced Construction and Manufacturing</i>
California	607	1,566	25	73
Texas	705	1,621	25	73
Iowa	753	1,621	25	77
Illinois	632	1,581	25	73
Pennsylvania	681	1,672	25	76
Average	676	1,612	25	74

Wind

	<i>Direct Construction and Manufacturing</i>	<i>Direct, Indirect, and Induced Construction and Manufacturing</i>	<i>Direct Operating</i>	<i>Direct, Indirect, and Induced Construction and Manufacturing</i>
California	249	1,954	23	74
Texas	252	2,038	23	85
Iowa	258	2,073	23	75
Illinois	244	2,003	23	80
Pennsylvania	247	2,095	23	69
Average	250	2,033	23	77

Coal Plant - Project Summary Data based on User Re

CALIFORNIA

Project Location	2012
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	85%
Heat Rate (Btu per kWh)	9370
Construction Period (Months)	55
Plant Construction Cost (\$/kW)	\$3,025
Cost of Fuel (\$/mmbtu)	\$1.40
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$23.10
Variable Operations and Maintenance Cost (\$/MWh)	\$3.66
Money Value (Dollar Year)	2011
Project Construction Cost	\$1,512,500,000
Local Spending	\$451,664,733
Total Annual Operational Expenses	\$198,543,661
Direct Operating and Maintenance Costs	\$74,014,494
Local Spending	\$18,133,438
Other Annual Costs	\$124,529,167
Local Spending	\$0
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	2,732	\$299.4	\$451.5
Construction and Interconnection Labor	1,950	\$229.7	
Construction Related Services	782	\$69.8	
Power Generation and Supply Chain Impacts	1,167	\$76.8	\$224.5
Induced Impacts	1,205	\$64.9	\$200.1
Total Impacts	5,104	\$441.2	\$876.1
During operating years (annual)			
Onsite Labor Impacts	72	\$6.4	\$6.4
Local Revenue and Supply Chain Impacts	106	\$7.6	\$26.2
Induced Impacts	45	\$2.4	\$7.5
Total Impacts	222	\$16.5	\$40.1

Notes: Earnings and Output values are millions of dollars in year 2011 dollars. Construction period related jobs are full-time equivalent for the 55 months (an annual average of approximately 1110 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Coal Plant - Project Summary Data based on User Review

	TEXAS
Project Location	
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	85%
Heat Rate (Btu per kWh)	9370
Construction Period (Months)	55
Plant Construction Cost (\$/kW)	\$3,025
Cost of Fuel (\$/mmbtu)	\$1.49
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$23.10
Variable Operations and Maintenance Cost (\$/MWh)	\$3.66
Money Value (Dollar Year)	2011
Project Construction Cost	\$1,512,500,000
Local Spending	\$451,664,733
Total Annual Operational Expenses	\$201,683,267
Direct Operating and Maintenance Costs	\$77,154,100
Local Spending	\$18,133,438
Other Annual Costs	\$124,529,167
Local Spending	\$0
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	3,101	\$290.9	\$451.5
Construction and Interconnection Labor	2,267	\$222.1	
Construction Related Services	834	\$68.9	
Power Generation and Supply Chain Impacts	1,050	\$61.3	\$196.5
Induced Impacts	1,217	\$55.8	\$182.0
Total Impacts	5,368	\$408.1	\$830.0
During operating years (annual)			
Onsite Labor Impacts	72	\$6.4	\$6.4
Local Revenue and Supply Chain Impacts	100	\$7.2	\$25.3
Induced Impacts	46	\$2.1	\$6.9
Total Impacts	217	\$15.7	\$38.6

Notes: Earnings and Output values are millions of dollars in year 2011 dollars. Construction period related jobs are full-time equivalent for the 55 months (an annual average of approximately 1170 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Coal Plant - Project Summary Data based on User Rev

Project Location	IOWA
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	85%
Heat Rate (Btu per kWh)	9370
Construction Period (Months)	55
Plant Construction Cost (\$/kW)	\$3,025
Cost of Fuel (\$/mmbtu)	\$1.03
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$23.10
Variable Operations and Maintenance Cost (\$/MWh)	\$3.66
Money Value (Dollar Year)	2011
Project Construction Cost	\$1,512,500,000
Local Spending	\$451,664,733
Total Annual Operational Expenses	\$185,636,392
Direct Operating and Maintenance Costs	\$61,107,225
Local Spending	\$18,133,438
Other Annual Costs	\$124,529,167
Local Spending	\$0
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	3,395	\$280.9	\$451.5
Construction and Interconnection Labor	2,420	\$218.5	
Construction Related Services	975	\$62.4	
Power Generation and Supply Chain Impacts	972	\$41.2	\$123.7
Induced Impacts	1,082	\$38.4	\$118.9
Total Impacts	5,450	\$360.5	\$694.1
During operating years (annual)			
Onsite Labor Impacts	72	\$6.4	\$6.4
Local Revenue and Supply Chain Impacts	126	\$6.5	\$22.1
Induced Impacts	46	\$1.6	\$5.1
Total Impacts	244	\$14.5	\$33.5

Notes: Earnings and Output values are millions of dollars in year 2011 dollars. Construction period related jobs are full-time equivalent for the 55 months (an annual average of approximately 1190 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Coal Plant - Project Summary Data based on User Re

	ILLINOIS
Project Location	2012
Year Construction Starts	500
Project Size - Nameplate Capacity (MW)	85%
Capacity Factor (Percentage)	9370
Heat Rate (Btu per kWh)	55
Construction Period (Months)	\$3,025
Plant Construction Cost (\$/kW)	\$1.64
Cost of Fuel (\$/mmbtu)	0%
Produced Locally (Percent)	\$23.10
Fixed Operations and Maintenance Cost (\$/kW)	\$3.66
Variable Operations and Maintenance Cost (\$/MWh)	2011
Money Value (Dollar Year)	\$1,512,500,000
Project Construction Cost	\$451,664,733
Local Spending	\$206,915,943
Total Annual Operational Expenses	\$82,386,776
Direct Operating and Maintenance Costs	\$18,133,438
Local Spending	\$124,529,167
Other Annual Costs	\$0
Local Spending	\$0
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	2,688	\$298.0	\$451.5
Construction and Interconnection Labor	2,031	\$227.8	
Construction Related Services	657	\$70.1	
Power Generation and Supply Chain Impacts	1,021	\$65.8	\$180.2
Induced Impacts	1,345	\$68.0	\$199.4
Total Impacts	5,054	\$431.7	\$831.0
During operating years (annual)			
Onsite Labor Impacts	72	\$6.4	\$6.4
Local Revenue and Supply Chain Impacts	109	\$7.6	\$24.8
Induced Impacts	54	\$2.7	\$7.9
Total Impacts	234	\$16.8	\$39.1

Notes: Earnings and Output values are millions of dollars in year 2011 dollars. Construction period related jobs are full-time equivalent for the 55 months (an annual average of approximately 1100 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Coal Plant - Project Summary Data based on User Re

Project Location	PENNSYLVANIA
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	85%
Heat Rate (Btu per kWh)	9370
Construction Period (Months)	55
Plant Construction Cost (\$/kW)	\$3,025
Cost of Fuel (\$/mmbtu)	\$4.94
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$23.10
Variable Operations and Maintenance Cost (\$/MWh)	\$3.66
Money Value (Dollar Year)	2011
Project Construction Cost	\$1,512,500,000
Local Spending	\$451,664,733
Total Annual Operational Expenses	\$322,034,826
Direct Operating and Maintenance Costs	\$197,505,659
Local Spending	\$18,133,438
Other Annual Costs	\$124,529,167
Local Spending	\$0
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	2,917	\$292.4	\$451.5
Construction and Interconnection Labor	2,190	\$223.9	
Construction Related Services	727	\$68.4	
Power Generation and Supply Chain Impacts	1,100	\$65.7	\$181.6
Induced Impacts	1,398	\$65.6	\$194.8
Total Impacts	5,415	\$423.6	\$827.9
During operating years (annual)			
Onsite Labor Impacts	72	\$6.4	\$6.4
Local Revenue and Supply Chain Impacts	107	\$7.3	\$24.2
Induced Impacts	55	\$2.6	\$7.6
Total Impacts	233	\$16.3	\$38.2

Notes: Earnings and Output values are millions of dollars in year 2011 dollars. Construction period related jobs are full-time equivalent for the 55 months (an annual average of approximately 1180 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Natural Gas Plant - Project Data Summary based on model default values

Project Location	CALIFORNIA
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	65%
Heat Rate (Btu per kWh)	7000
Construction Period (Months)	36
Plant Construction Cost (\$/KW)	\$1,250
Cost of Fuel (\$/mmbtu)	\$4.23
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$8.25
Variable Operations and Maintenance Cost (\$/MWh)	\$2.90
Money Value (Dollar Year)	2010
Project Construction Cost	\$625,000,000
Local Spending	\$182,527,574
Total Annual Operational Expenses	\$167,057,289
Direct Operating and Maintenance Costs	\$96,680,970
Local Spending	\$4,468,075
Other Annual Costs	\$70,376,319
Local Spending	\$4,720,713
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	607	\$75.04	\$98.35
Construction and Interconnection Labor	607	\$75.04	
Construction Related Services	0	\$0.00	
Power Generation and Supply Chain Impacts	470	\$30.78	\$109.18
Induced Impacts	489	\$26.00	\$80.12
Total Impacts (Direct, Indirect, Induced)	1,566	\$131.82	\$287.65
During operating years (annual)			
Onsite Labor Impacts	25	\$1.60	\$1.60
Local Revenue and Supply Chain Impacts	34	\$2.40	\$6.76
Induced Impacts	14	\$0.74	\$2.29
Total Impacts (Direct, Indirect, Induced)	73	\$4.74	\$10.65

Notes: Earnings and Output values are millions of dollars in year 2010 dollars. Construction period related jobs are full-time equivalent for the 36 months (an annual average of approximately 520 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Natural Gas Plant - Project Data Summary based on model default values

Project Location	TEXAS
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	65%
Heat Rate (Btu per kWh)	7000
Construction Period (Months)	36
Plant Construction Cost (\$/KW)	\$1,250
Cost of Fuel (\$/mmbtu)	\$3.86
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$8.25
Variable Operations and Maintenance Cost (\$/MWh)	\$2.90
Money Value (Dollar Year)	2010
Project Construction Cost	\$625,000,000
Local Spending	\$174,954,044
Total Annual Operational Expenses	\$159,652,936
Direct Operating and Maintenance Costs	\$89,307,240
Local Spending	\$4,468,075
Other Annual Costs	\$70,345,696
Local Spending	\$4,659,468
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	705	\$72.83	\$98.35
Construction and Interconnection Labor	705	\$72.83	
Construction Related Services	0	\$0.00	
Power Generation and Supply Chain Impacts	440	\$26.12	\$101.00
Induced Impacts	476	\$21.57	\$70.34
Total Impacts (Direct, Indirect, Induced)	1,621	\$120.52	\$269.68
During operating years (annual)			
Onsite Labor Impacts	25	\$1.60	\$1.60
Local Revenue and Supply Chain Impacts	34	\$2.19	\$6.41
Induced Impacts	14	\$0.64	\$2.09
Total Impacts (Direct, Indirect, Induced)	73	\$4.43	\$10.10

Notes: Earnings and Output values are millions of dollars in year 2010 dollars. Construction period related jobs are full-time equivalent for the 36 months (an annual average of approximately 540 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Natural Gas Plant - Project Data Summary based on model default values

Project Location	IOWA
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	65%
Heat Rate (Btu per kWh)	7000
Construction Period (Months)	36
Plant Construction Cost (\$/KW)	\$1,250
Cost of Fuel (\$/mmbtu)	\$5.18
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$8.25
Variable Operations and Maintenance Cost (\$/MWh)	\$2.90
Money Value (Dollar Year)	2010
Project Construction Cost	\$625,000,000
Local Spending	\$174,007,353
Total Annual Operational Expenses	\$185,955,389
Direct Operating and Maintenance Costs	\$115,613,520
Local Spending	\$4,468,075
Other Annual Costs	\$70,341,869
Local Spending	\$4,651,812
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	753	\$71.78	\$98.35
Construction and Interconnection Labor	753	\$71.78	
Construction Related Services	0	\$0.00	
Power Generation and Supply Chain Impacts	428	\$20.37	\$77.72
Induced Impacts	440	\$15.42	\$47.72
Total Impacts (Direct, Indirect, Induced)	1,621	\$107.56	\$223.78
During operating years (annual)			
Onsite Labor Impacts	25	\$1.60	\$1.60
Local Revenue and Supply Chain Impacts	38	\$1.95	\$5.77
Induced Impacts	14	\$0.48	\$1.48
Total Impacts (Direct, Indirect, Induced)	77	\$4.03	\$8.85

Notes: Earnings and Output values are millions of dollars in year 2010 dollars. Construction period related jobs are full-time equivalent for the 36 months (an annual average of approximately 540 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Natural Gas Plant - Project Data Summary based on model default values

Project Location	ILLINOIS
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	65%
Heat Rate (Btu per kWh)	7000
Construction Period (Months)	36
Plant Construction Cost (\$/KW)	\$1,250
Cost of Fuel (\$/mmbtu)	\$4.42
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$8.25
Variable Operations and Maintenance Cost (\$/MWh)	\$2.90
Money Value (Dollar Year)	2010
Project Construction Cost	\$625,000,000
Local Spending	\$174,954,044
Total Annual Operational Expenses	\$170,813,176
Direct Operating and Maintenance Costs	\$100,467,480
Local Spending	\$4,468,075
Other Annual Costs	\$70,345,696
Local Spending	\$4,659,468
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	632	\$74.51	\$98.35
Construction and Interconnection Labor	632	\$74.51	
Construction Related Services	0	\$0.00	
Power Generation and Supply Chain Impacts	422	\$28.83	\$96.19
Induced Impacts	527	\$26.32	\$77.19
Total Impacts (Direct, Indirect, Induced)	1,581	\$129.65	\$271.72
During operating years (annual)			
Onsite Labor Impacts	25	\$1.60	\$1.60
Local Revenue and Supply Chain Impacts	32	\$2.35	\$6.38
Induced Impacts	16	\$0.80	\$2.34
Total Impacts (Direct, Indirect, Induced)	73	\$4.75	\$10.33

Notes: Earnings and Output values are millions of dollars in year 2010 dollars. Construction period related jobs are full-time equivalent for the 36 months (an annual average of approximately 530 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Natural Gas Plant - Project Data Summary based on model default values

	PENNSYLVANIA
Project Location	
Year Construction Starts	2012
Project Size - Nameplate Capacity (MW)	500
Capacity Factor (Percentage)	65%
Heat Rate (Btu per kWh)	7000
Construction Period (Months)	36
Plant Construction Cost (\$/KW)	\$1,250
Cost of Fuel (\$/mmbtu)	\$4.47
Produced Locally (Percent)	0%
Fixed Operations and Maintenance Cost (\$/kW)	\$8.25
Variable Operations and Maintenance Cost (\$/MWh)	\$2.90
Money Value (Dollar Year)	2010
Project Construction Cost	\$625,000,000
Local Spending	\$174,007,353
Total Annual Operational Expenses	\$171,805,799
Direct Operating and Maintenance Costs	\$101,463,930
Local Spending	\$4,468,075
Other Annual Costs	\$70,341,869
Local Spending	\$4,651,812
Debt and Equity Payments	\$0
Property Taxes	\$0

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	681	\$73.37	\$98.35
Construction and Interconnection Labor	681	\$73.37	
Construction Related Services	0	\$0.00	
Power Generation and Supply Chain Impacts	456	\$28.11	\$97.30
Induced Impacts	535	\$24.75	\$73.51
Total Impacts (Direct, Indirect, Induced)	1,672	\$126.24	\$269.15
During operating years (annual)			
Onsite Labor Impacts	25	\$1.60	\$1.60
Local Revenue and Supply Chain Impacts	33	\$2.28	\$6.32
Induced Impacts	17	\$0.78	\$2.30
Total Impacts (Direct, Indirect, Induced)	76	\$4.65	\$10.22

Notes: Earnings and Output values are millions of dollars in year 2010 dollars. Construction period related jobs are full-time equivalent for the 36 months (an annual average of approximately 560 full-time equivalent jobs). Plant workers includes operators, maintenance, administration and management. Economic impacts "During operating years" represent impacts that occur from plant operations/expenditures. The analysis does not include impacts associated with spending of plant "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding.

Wind Farm - Project Data Summary based on model default values

Project Location	CALIFORNIA
Year of Construction	2012
Total Project Size - Nameplate Capacity (MW)	500
Number of Projects (included in total)	1
Turbine Size (KW)	2000
Number of Turbines	250
Installed Project Cost (\$/KW)	\$2,000
Annual Direct O&M Cost (\$/KW)	\$20.00
Money Value (Dollar Year)	2012
Installed Project Cost	\$1,000,051,881
Local Spending	\$176,851,834
Total Annual Operational Expenses	\$164,741,280
Direct Operating and Maintenance Costs	\$10,000,000
Local Spending	\$3,176,914
Other Annual Costs	\$154,741,280
Local Spending	\$4,333,477
Debt and Equity Payments	\$0
Property Taxes	\$2,833,477
Land Lease	\$1,500,000

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	249	\$18.58	\$21.19
Construction and Interconnection Labor	218	\$15.62	
Construction Related Services	32	\$2.96	
Turbine and Supply Chain Impacts	1,292	\$90.52	\$242.34
Induced Impacts	413	\$23.38	\$72.07
Total Impacts	1,954	\$132.49	\$335.59
During operating years (annual)			
Onsite Labor Impacts	23	\$1.73	\$1.73
Local Revenue and Supply Chain Impacts	30	\$1.87	\$8.93
Induced Impacts	21	\$1.17	\$3.61
Total Impacts	74	\$4.77	\$14.27

Notes: Earnings and Output values are millions of dollars in year 2012 dollars. Construction and operating jobs are full-time equivalent for a period of one year (1 FTE = 2,080 hours). Wind farm workers includes field technicians, administration and management. Economic impacts "During operating years" represent impacts that occur from wind farm operations/expenditures. The analysis does not include impacts associated with spending of wind farm "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding. Results are based on model default values.

Wind Farm - Project Data Summary based on model default values

Project Location	TEXAS
Year of Construction	2012
Total Project Size - Nameplate Capacity (MW)	500
Number of Projects (included in total)	1
Turbine Size (KW)	2000
Number of Turbines	250
Installed Project Cost (\$/KW)	\$2,000
Annual Direct O&M Cost (\$/KW)	\$20.00
Money Value (Dollar Year)	2012
Installed Project Cost	\$999,820,887
Local Spending	\$173,936,007
Total Annual Operational Expenses	\$167,366,061
Direct Operating and Maintenance Costs	\$10,000,000
Local Spending	\$2,793,897
Other Annual Costs	\$157,366,061
Local Spending	\$6,993,000
Debt and Equity Payments	\$0
Property Taxes	\$5,493,000
Land Lease	\$1,500,000

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	252	\$14.78	\$17.44
Construction and Interconnection Labor	218	\$11.84	
Construction Related Services	34	\$2.94	
Turbine and Supply Chain Impacts	1,383	\$77.81	\$232.95
Induced Impacts	403	\$19.44	\$63.40
Total Impacts	2,038	\$112.03	\$313.79
During operating years (annual)			
Onsite Labor Impacts	23	\$1.31	\$1.31
Local Revenue and Supply Chain Impacts	30	\$1.66	\$11.14
Induced Impacts	32	\$1.53	\$5.00
Total Impacts	85	\$4.50	\$17.45

Notes: Earnings and Output values are millions of dollars in year 2012 dollars. Construction and operating jobs are full-time equivalent for a period of one year (1 FTE = 2,080 hours). Wind farm workers includes field technicians, administration and management. Economic impacts "During operating years" represent impacts that occur from wind farm operations/expenditures. The analysis does not include impacts associated with spending of wind farm "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding. Results are based on model default values.

Wind Farm - Project Data Summary based on model default values

Project Location	IOWA
Year of Construction	2012
Total Project Size - Nameplate Capacity (MW)	500
Number of Projects (included in total)	1
Turbine Size (KW)	2000
Number of Turbines	250
Installed Project Cost (\$/KW)	\$1,999
Annual Direct O&M Cost (\$/KW)	\$20.00
Money Value (Dollar Year)	2012
Installed Project Cost	\$999,731,777
Local Spending	\$172,811,188
Total Annual Operational Expenses	\$164,109,659
Direct Operating and Maintenance Costs	\$10,000,000
Local Spending	\$2,646,143
Other Annual Costs	\$154,109,659
Local Spending	\$3,750,000
Debt and Equity Payments	\$0
Property Taxes	\$2,250,000
Land Lease	\$1,500,000

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	258	\$13.05	\$15.99
Construction and Interconnection Labor	218	\$10.38	
Construction Related Services	40	\$2.67	
Turbine and Supply Chain Impacts	1,459	\$66.45	\$200.18
Induced Impacts	356	\$13.29	\$41.12
Total Impacts	2,073	\$92.79	\$257.29
During operating years (annual)			
Onsite Labor Impacts	23	\$1.14	\$1.14
Local Revenue and Supply Chain Impacts	34	\$1.45	\$7.02
Induced Impacts	18	\$0.67	\$2.09
Total Impacts	75	\$3.26	\$10.25

Notes: Earnings and Output values are millions of dollars in year 2012 dollars. Construction and operating jobs are full-time equivalent for a period of one year (1 FTE = 2,080 hours). Wind farm workers includes field technicians, administration and management. Economic impacts "During operating years" represent impacts that occur from wind farm operations/expenditures. The analysis does not include impacts associated with spending of wind farm "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding. Results are based on model default values.

Wind Farm - Project Data Summary based on model default values

Project Location	ILLINOIS
Year of Construction	2012
Total Project Size - Nameplate Capacity (MW)	500
Number of Projects (included in total)	1
Turbine Size (KW)	2000
Number of Turbines	250
Installed Project Cost (\$/KW)	\$2,000
Annual Direct O&M Cost (\$/KW)	\$20.00
Money Value (Dollar Year)	2012
Installed Project Cost	\$999,987,516
Local Spending	\$176,039,355
Total Annual Operational Expenses	\$165,348,122
Direct Operating and Maintenance Costs	\$10,000,000
Local Spending	\$3,070,188
Other Annual Costs	\$155,348,122
Local Spending	\$4,950,000
Debt and Equity Payments	\$0
Property Taxes	\$3,450,000
Land Lease	\$1,500,000

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	244	\$17.55	\$20.14
Construction and Interconnection Labor	218	\$14.57	
Construction Related Services	27	\$2.98	
Turbine and Supply Chain Impacts	1,302	\$84.58	\$223.55
Induced Impacts	456	\$24.23	\$71.08
Total Impacts	2,003	\$126.36	\$314.77
During operating years (annual)			
Onsite Labor Impacts	23	\$1.61	\$1.61
Local Revenue and Supply Chain Impacts	31	\$1.84	\$9.19
Induced Impacts	26	\$1.40	\$4.11
Total Impacts	80	\$4.85	\$14.92

Notes: Earnings and Output values are millions of dollars in year 2012 dollars. Construction and operating jobs are full-time equivalent for a period of one year (1 FTE = 2,080 hours). Wind farm workers includes field technicians, administration and management. Economic impacts "During operating years" represent impacts that occur from wind farm operations/expenditures. The analysis does not include impacts associated with spending of wind farm "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding. Results are based on model default values.

Wind Farm - Project Data Summary based on model default values

Project Location	PENNSYLVANIA
Year of Construction	2012
Total Project Size - Nameplate Capacity (MW)	500
Number of Projects (included in total)	1
Turbine Size (KW)	2000
Number of Turbines	250
Installed Project Cost (\$/KW)	\$2,000
Annual Direct O&M Cost (\$/KW)	\$20.00
Money Value (Dollar Year)	2012
Installed Project Cost	\$999,871,124
Local Spending	\$174,570,148
Total Annual Operational Expenses	\$162,755,617
Direct Operating and Maintenance Costs	\$10,000,000
Local Spending	\$2,877,196
Other Annual Costs	\$152,755,617
Local Spending	\$2,375,000
Debt and Equity Payments	\$0
Property Taxes	\$875,000
Land Lease	\$1,500,000

Local Economic Impacts - Summary Results

	Jobs	Earnings	Output
During construction period			
Project Development and Onsite Labor Impacts	247	\$15.58	\$18.25
Construction and Interconnection Labor	218	\$12.66	
Construction Related Services	29	\$2.92	
Turbine and Supply Chain Impacts	1,384	\$80.80	\$222.94
Induced Impacts	464	\$22.88	\$67.95
Total Impacts	2,095	\$119.26	\$309.14
During operating years (annual)			
Onsite Labor Impacts	23	\$1.40	\$1.40
Local Revenue and Supply Chain Impacts	31	\$1.68	\$6.24
Induced Impacts	16	\$0.77	\$2.29
Total Impacts	69	\$3.85	\$9.93

Notes: Earnings and Output values are millions of dollars in year 2012 dollars. Construction and operating jobs are full-time equivalent for a period of one year (1 FTE = 2,080 hours). Wind farm workers includes field technicians, administration and management. Economic impacts "During operating years" represent impacts that occur from wind farm operations/expenditures. The analysis does not include impacts associated with spending of wind farm "profits" and assumes no tax abatement unless noted. Totals may not add up due to independent rounding. Results are based on model default values.