



Wisconsin
Sector Alliance
for the
Green Economy

Funding Proposal
in response to
SGA/DFA PY-08-20

Submitted by the Applicant
Wisconsin Department
of Workforce Development

Service Area: State of Wisconsin
Funding Requested: \$6,000,000
Category of Applicant: State Workforce Agency
Auto-impacted Counties: Kenosha, Rock

Submission Date: October 19, 2009

Wisconsin Sector Alliance for the Green Economy (SAGE)

SGA/DFA PY 08-20

ARRA State Energy Sector Partnership (SESP) and Training Grants

Wisconsin Department of Workforce Development

Part I – Cost Proposal

- SF424 Application for Federal Assistance
(including DUNS Number)
- SF424A Budget Information Form
- Budget Narrative

Application for Federal Assistance SF-424		Version 02
* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): * Other (Specify)
* 3. Date Received:	4. Applicant Identifier:	
5a. Federal Entity Identifier:	* 5b. Federal Award Identifier:	
State Use Only:		
6. Date Received by State:	7. State Application Identifier:	
8. APPLICANT INFORMATION:		
* a. Legal Name: Wisconsin Department of Workforce Development		
* b. Employer/Taxpayer Identification Number (EIN/TIN): 396006449	* c. Organizational DUNS: 809448012	
d. Address:		
* Street 1: 201 E. Washington Avenue Street 2: * City: Madison County: Dane * State: Wisconsin Province: * Country: USA: United States * Zip / Postal Code: 53707		
e. Organizational Unit:		
Department Name: Department of Workforce Development	Division Name: Division of Employment and Training	
f. Name and contact information of person to be contacted on matters involving this application:		
Prefix: Ms. Middle Name: P. * Last Name: Morgan Suffix:	* First Name: Karen	
Title: Director		
Organizational Affiliation: DWD/DET Bureau of Apprenticeship Standards		
* Telephone Number: 608.266.3133	Fax Number: 608.266.0766	
* Email: karen.morgan@dwd.wisconsin.gov		

Application for Federal Assistance SF-424

Version 02

*** 9. Type of Applicant 1: Select Applicant Type:**

State Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

U.S. Department of Labor, Employment and Training Administration

11. Catalog of Federal Domestic Assistance Number:

17.275

CFDA Title:

Competitive Grants for Worker Training and Placement in High Growth and Emerging Industry Sectors

*** 12. Funding Opportunity Number:**

SGA/DFA PY-08-20

* Title:

State Energy Sector Partnership (SESP) and Training Grants

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

State of Wisconsin-All

*** 15. Descriptive Title of Applicant's Project:**

Wisconsin Sector Alliance for the Green Economy (SAGE)

Attach supporting documents as specified in agency instructions.

Application for Federal Assistance SF-424

Version 02

*** Applicant Federal Debt Delinquency Explanation**

The following field should contain an explanation if the Applicant organization is delinquent on any Federal Debt. Maximum number of characters that can be entered is 4,000. Try and avoid extra spaces and carriage returns to maximize the availability of space.

BUDGET INFORMATION ---- Non-Construction Programs

SECTION A - BUDGET SUMMARY						
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. SGA/DFA PY-08-20				6,000,000		6,000,000
2.						0
3.						0
4.						0
5. TOTALS		0	0	6,000,000	0	6,000,000
SECTION B - BUDGET CATAGORIES						
6. Object Class Catagories	GRANT PROGRAM FUNCTION OR ACTIVITY				Total (5).	
	(1)	(2)	(3)	(4)		
a. Personnel	280,418				\$ 280,418	
b. Fringe benefits	126,892				\$ 126,892	
c. Travel	11,250				\$ 11,250	
d. Equipment	247,000				\$ 247,000	
e. Supplies	117,250				\$ 117,250	
f. Contractual	5,104,000				\$ 5,104,000	
g. Construction					\$ -	
h. Other	112,208				\$ 112,208	
i. Total Direct Charges (sum of 6a-6h)	\$ 5,999,018	\$ -	\$ -	\$ -	\$ 5,999,018	
j. Indirect charges	982				\$ 982	
k. TOTALS (sum of 6i & 6j)	\$ 6,000,000	\$ -	\$ -	\$ -	\$ 6,000,000	
7. Program Income		\$ -	\$ -	\$ -	\$ -	\$ -

SECTION C - NON-FEDERAL RESOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.				\$	-
9.				\$	-
10.				\$	-
11.				\$	-
12. TOTALS (sum of lines 8 and 11)	\$ -	\$ -	\$ -	\$	-
SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 2,156,962	539,240	539,240	539,241	539,241
14. Non-Federal	\$ -	-	-	-	-
15. TOTALS (sum of lines 13 and 14)	\$ 2,156,962	\$ 539,240	\$ 539,240	\$ 539,241	\$ 539,241
SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (years)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16. SGA/DFA PY-08-20	1,901,782.00	\$ 1,941,256.00			
17.					
18.					
19.					
20. TOTALS (sum of lines 16 - 19)	\$ 1,901,782.00	\$ 1,941,256.00			\$ -
SECTION F - OTHER BUDGET INFORMATION					
(Attach Additional Sheets If Necessary)					
21. Direct Charges:			22. Indirect Charges:		
23. Remarks					

SAGE – Wisconsin’s Strategic Alliance for the Green Economy
Part I – Cost Proposal – Budget Narrative – p. 1

Cost Component	Year 1	Year 2	Year 3	Total request	Leveraged resources
PERSONNEL					
<ul style="list-style-type: none"> • Salary for SESP Program Manager • Salary for Outreach Coordinator <i>Each 1.0 FTE Program & Policy Analyst-Adv.</i> 	\$91,628	\$93,460	\$95,330	\$280,418	
FRINGE BENEFITS					
<ul style="list-style-type: none"> • Fringe for SESP Program Manager • Fringe for Outreach Coordinator 	\$41,462	\$42,292	\$43,138	\$126,892	
TRAVEL					
<ul style="list-style-type: none"> • Local travel by DWD/SESP staff <i>Est. 1500 miles annually @ \$0.50/mi.</i> 	\$750	\$750	\$750	\$2,250	
<ul style="list-style-type: none"> • U.S. DOL required conferences <i>2 DWD staff @ \$1,500 annually each.</i> 	\$3,000	\$3,000	\$3,000	\$9,000	
Travel subtotal	\$3,750	\$3,750	\$3,750	\$11,250	
EQUIPMENT					
<i>See Technical Proposal for detailed information on the specific “green” energy sector apprenticeship training equipment needs associated with this project.</i>					
<ul style="list-style-type: none"> • Virtual Paint Booth <i>(to support Painter/Decorator apprentice training).</i> 	\$65,000	--	--	\$65,000	
<ul style="list-style-type: none"> • Laboratory equipment <i>(to support Sheet Metal/HVAC apprentice training)</i> <ul style="list-style-type: none"> ○ Hydronics balancing board (\$10,000) ○ Hydro data meters (2 @ \$4,000 ea.) ○ Energy audit certification package (\$30,000). ○ Thermostats, meters, valves, etc. (\$10,000) 	\$58,000	--	--	\$58,000	
<ul style="list-style-type: none"> • Ironworker Training Equipment <ul style="list-style-type: none"> ○ Hydraulic Torque (\$50,000) ○ Tower Erection Mock (\$20,000) ○ Heavy Rigging Demo (\$20,000) 	\$90,000	--	--	\$90,000	
<ul style="list-style-type: none"> • Heat & Frost Specialized 3E training equipment 	\$34,000	--	--	\$34,000	

SAGE – Wisconsin’s Strategic Alliance for the Green Economy
Part I – Cost Proposal – Budget Narrative – p. 2

<ul style="list-style-type: none"> • Weatherization Installer Equipment <i>(including blower doors, balometer, & infrared camera). WI Department of Administration funds (see section 2.iii of Technical Proposal).</i> 	--	--	--	--	\$200,000
Equipment subtotal	\$247,000	--	--	\$247,000	\$200,000
SUPPLIES					
<ul style="list-style-type: none"> • Education and outreach tools/materials 	\$53,300	\$41,450	\$20,700	\$115,450	
<ul style="list-style-type: none"> • General supplies 	\$600	\$600	\$600	\$1,800	
Supplies subtotal	\$53,900	\$42,050	\$21,300	\$117,250	
CONTRACTUAL					
<ul style="list-style-type: none"> • Curriculum Development <i>Estimated costs, reflecting extent of new or supplemental curriculum, in apprenticeship training in occupations targeted by project. Further details of curricula to be developed in each apprenticeship area is provided in tables 5 and 6 of the Technical Proposal. DWD will contract, as appropriate, with the Wisconsin Technical College System and the University of Wisconsin to develop these curricula/modules.</i> 					
<ul style="list-style-type: none"> ○ Weatherization Technician <i>Develop curriculum to incorporate existing Home Energy Plus training components, both commercial and residential. WI Department of Administration funds (see section 2.iii of Technical Proposal).</i> 	--	--	--	--	\$400,000
<ul style="list-style-type: none"> ○ Energy Auditor <i>Develop <u>new</u> curriculum based on modifications to existing New York model.</i> 	\$150,000	--	--	\$150,000	
<ul style="list-style-type: none"> ○ Wastewater Treatment Operator <i>Develop <u>new</u> curriculum built on industry credentials and certifications.</i> 	\$120,000	\$30,000	--	\$150,000	
<ul style="list-style-type: none"> ○ Electric Line Worker <i>Incorporate “smart grid” elements in to curriculum.</i> 	\$75,000	--	--	\$75,000	
<ul style="list-style-type: none"> ○ Electric Meter Tech <i>Incorporate “smart grid” elements in to curriculum.</i> 	\$20,000	--	--	\$20,000	
<ul style="list-style-type: none"> ○ Substation Electrician <i>Incorporate “smart grid” elements in to curriculum.</i> 	\$67,500	\$22,500	--	\$90,000	

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Part I – Cost Proposal – Budget Narrative – p. 3

○ Construction Electrician <i>Incorporate photovoltaic modules into apprenticeship.</i>	\$25,000	--	--	\$25,000	
○ Painter/Decorator <i>Incorporate “Green Building Construction” module into training.</i>	\$45,000	--	--	\$45,000	
○ Metal Sheet Worker <i>Incorporate ITI curriculum into sheet metal/HVAC program.</i>	\$10,000	--	--	\$10,000	
○ Plumber <i>Add multiple training modules related to green systems.</i>	\$60,000	--	--	\$60,000	
○ Steamfitter <i>Add new green training modules for conducting energy audits on major steam systems and installing and servicing geothermal systems, steam trap systems, and heat recovery system.</i>	\$60,000	--	--	\$60,000	
○ Iron Worker <i>Upgrade curriculum to address erection and rigging of wind turbines.</i>	\$16,000	--	--	\$16,000	
○ Heat & Frost Worker <i>Incorporates NIA’s 3E Energy Appraisal Program and certification into apprenticeship program.</i>	\$53,000	--	--	\$53,000	
○ Roofer & Water-proofer <i>Develop new curriculum modules for vegetative roofs, photo-voltaic reflective roofs, & specialized material.</i>	\$50,000	--	--	\$50,000	
○ Green Manufacturing <i>Incorporate flexible layer of green skills training into multiple existing apprenticeship programs to support \$55 million investment of ARRA State Energy Program (SEP)/Clean Energy Manufacturing funding. Training to evolve in coordination with SEP (see Technical Proposal table 7).</i>	\$100,000	\$200,000	\$200,000	\$500,000	
<i>Curriculum development subtotal</i>	<i>\$851,500</i>	<i>\$252,500</i>	<i>\$200,000</i>	<i>\$1,304,000</i>	<i>\$400,000</i>

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Part I – Cost Proposal – Budget Narrative – p. 4

<ul style="list-style-type: none"> • Other Training Program Development 					
<ul style="list-style-type: none"> ○ Instructor Training. <i>Provide training to apprenticeship instructors (see tables 5 and 6 for details); an estimated 200 instructors trained at an average cost of \$2,250 each.</i> 	\$360,000	\$90,000	--	\$450,000	
<ul style="list-style-type: none"> ○ State grants for selected industry apprentice training. <i>Leveraged resources in the form of Wisconsin Development Fund grants:</i> <ul style="list-style-type: none"> ▪ <i>To Painters & Allied Trades, District Council 7, for LEED certification and green instruction upgrades (\$325,000).</i> ▪ <i>To Wis. Pipe Trades Association Local 75 for a green building practices mobile training facility (\$248,000).</i> ▪ <i>To the International Brotherhood of Electrical Workers for laboratory startup and instructor costs (\$270,000).</i> 	--	--	--	--	\$843,000
<i>Other training development subtotal</i>	<i>\$360,000</i>	<i>\$90,000</i>	<i>--</i>	<i>\$450,000</i>	<i>\$843,000</i>
<ul style="list-style-type: none"> • Local/regional supports for SESP apprentice training. <i>DWD will contract with each of the seven Growing Regional Opportunities in Wisconsin (GROW) regions (with designated local workforce boards as fiscal agents) to provide training services and program supports in coordination with the state and relevant local SESP teams. Contract amounts will be geared to each GROW region’s formula WIA allocation; amounts below are statewide totals that will set the parameters of these contracts.</i> 					
<ul style="list-style-type: none"> ○ Needs-based training services <ul style="list-style-type: none"> ▪ <i>Training-related participant costs (books, supplies, tuition, etc.), capped at \$1,800 per participant (subtotal = \$1,700,000).</i> ▪ <i>Supportive services to eligible SESP training participants, capped at \$500 per participant (subtotal = \$300,000).</i> 	\$200,000	\$800,000	\$1,000,000	\$2,000,000	

SAGE – Wisconsin’s Strategic Alliance for the Green Economy
Part I – Cost Proposal – Budget Narrative – p. 5

<ul style="list-style-type: none"> ○ Case management/program support <ul style="list-style-type: none"> ▪ Includes One-Stop Job Center provision of case management to training participants and other supports to SESP local teams. ▪ Estimated 0.5 FTE per WDA (1.0 for Milwaukee) @ Employment and Training Specialist-Lead level. ▪ Leveraged: \$175,000 in WIA State-wide funds for 7 regional planning grants (see section 3.iii of Technical Proposal). 	\$270,000	\$540,000	\$540,000	\$1,350,000	\$175,000
<ul style="list-style-type: none"> ○ Employer contribution to apprentice wages. Estimate based on average apprentice wage of \$15.23 per hour and an average of 40 hours per apprentice x projected 4508 apprentices (see table 9 of Technical Proposal). 	--	--	--	--	\$2,746,274
<i>Local/regional supports subtotal</i>	\$470,000	1,340,000	1,540,000	\$3,350,000	\$2,921,274
Contractual subtotal	\$1,681,500	\$1,682,500	\$1,740,000	\$5,104,000	\$4,164,274
OTHER Allocated DET and DWD costs directly associated with DWD project management and program support staff functions.	\$37,401	\$37,403	\$37,404	\$112,208	
INDIRECT COSTS Indirect charges @ .35% of DWD staff salary (personnel) amount, per federally approved indirect cost agreement.	\$321	\$327	\$334	\$982	
PROJECT TOTALS	\$2,156,962	\$1,901,782	\$1,941,256	\$6,000,000	\$4,364,274

Note on Administrative Costs: We consider the costs for the SESP Program Manager (salary, fringe, allocated direct costs, and indirect charges associated with this staff position) to represent administrative costs. These costs, for functions essential to the overall statewide coordination of the project between DWD, CWI, the SESP state and local teams, and other partners, are estimated to total \$260,250 or 4.3% of the total grant amount requested.

BUDGET INFORMATION ---- Non-Construction Programs

SECTION A - BUDGET SUMMARY						
Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. SGA/DFA PY-08-20				6,000,000		6,000,000
2.						0
3.						0
4.						0
5. TOTALS		0	0	6,000,000	0	6,000,000
SECTION B - BUDGET CATAGORIES						
6. Object Class Catagories	GRANT PROGRAM FUNCTION OR ACTIVITY				Total (5).	
	(1)	(2)	(3)	(4)		
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i. Total Direct Charges (sum of 6a-6h)	\$ 5,999,018	\$ -	\$ -	\$ -	\$ 5,999,018	
j. Indirect charges	982				\$ 982	
k. TOTALS (sum of 6i & 6j)	\$ 6,000,000	\$ -	\$ -	\$ -	\$ 6,000,000	
7. Program Income		\$ -	\$ -	\$ -	\$ -	\$ -

Wisconsin Sector Alliance for the Green Economy (SAGE)

SGA/DFA PY 08-20

ARRA State Energy Sector Partnership (SESP) and Training Grants

Wisconsin Department of Workforce Development

Part II – Technical Proposal

Statement of Need, page 1

State Energy Sector Partnership, page 7

Strategy and Project Work Plan, page 10

Implementation Timeline and Projected Outcomes, page 25

Economic Outlook Data (Detail) - Attachment C6

47-2073	Operating Engineers and Other Construction Equipment Operators	8,800	9,460	660	7.5%	70	170	240	Moderate-term on-the-job training	\$45,693	\$15.68	\$25.11
47-2111	Electricians	14,750	15,860	1,110	7.5%	110	380	490	Long-term on-the-job training	\$47,831	\$16.36	\$26.31
47-3013	Helpers--Electricians	930	990	60	6.5%	10	20	30	Short-term on-the-job training	\$24,067	\$8.85	\$12.93
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	8,480	8,840	360	4.2%	40	200	240	Work experience in a related occupation	\$56,207	\$18.51	\$31.28
49-2092	Electric Motor, Power Tool, and Related Repairers	650	620	-30	-4.6%	0	20	20	Postsecondary vocational training	\$37,032	\$12.73	\$20.34
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	340	320	-20	-5.9%	0	10	10	Postsecondary vocational training	\$64,708	\$24.89	\$34.22
49-9051	Electrical Power-Line Installers and Repairers	2,490	2,690	200	8.0%	20	80	100	Long-term on-the-job training	\$53,554	\$18.61	\$29.32
49-9052	Telecommunications Line Installers and Repairers	2,510	2,550	40	1.6%	0	70	70	Long-term on-the-job training	\$40,453	\$13.46	\$22.44
51-8012	Power Distributors and Dispatchers	170	160	-10	-5.9%	0	10	10	Long-term on-the-job training	\$61,711	\$25.75	\$31.63
51-8013	Power Plant Operators	*	*	*	*	0	40	40	Long-term on-the-job training	*	*	*
51-8092	Gas Plant Operators	50	50	0	0.0%	0	0	0	Long-term on-the-job training	\$60,760	\$23.63	\$32.00

*Occupation is suppressed.

Source: 2006-2016 Wisconsin Projections, Office of Economic Advisors, DWD

Wisconsin State Energy Sector Partnership Workforce Training Partnership Charter

Whereas, Wisconsin's State Energy Plan, Clean Energy Wisconsin, will increase job capacity through its goals to generate more power from renewable sources; capture 10% of the renewable market; and develop new, high-paying jobs through groundbreaking research.

Whereas, the Clean Energy Wisconsin Plan is constantly evolving as Wisconsin makes investments that will help its industries add energy efficiency, manufacturing/clean energy, and smart grid/utilities employment opportunities.

Whereas, Wisconsin's ability to address energy workforce needs benefits from the strong leadership of its Office of Energy Independence, Focus on Energy, the Energy Center of Wisconsin, and many other advocates in government, industry, and academia.

Whereas, Wisconsin's ability to address energy workforce needs benefits from the strong leadership and collaborative service delivery structure of its workforce development system.

Whereas, Wisconsin is committed to an innovative, productive and future-focused partnership between its workforce development systems and energy industries.

Now, Therefore,

We, the SESP, agree to the following purpose for our partnership:

Through its robust partnership, the SESP will bring all relevant stakeholders together to help Wisconsin workers find and maintain their place in emerging energy efficiency, manufacturing/clean energy, and smart grid/utilities industries.

We, the SESP, agree to the following goals:

- Creating a statewide training infrastructure to recruit and train workers for energy industries.
 - Building a dynamic structure of training stakeholders and activities that will grow as the Governor's Clean Energy Wisconsin Plan and many other initiatives are refined and implemented.
 - Establishing a defined and sustainable process for Wisconsin's "green" energy job training sector strategy to keep pace with emerging energy efficiency and renewable energy technologies.

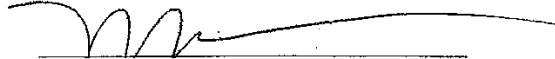
We, the SESP, agree to collaborate to achieve these energy workforce goals by:

- Establishing Wisconsin's green energy training sector strategy.
 - Aligning the project's green energy training and placement strategies with
 - Wisconsin workforce delivery structures such as Job Centers
 - Wisconsin's energy infrastructure
 - ARRA energy-related funding at work in Wisconsin
 - Addressing green training gaps in existing workforce development & industry sectors
 - Refining and developing green apprenticeship models
 - Developing career pathways for existing and emerging energy-related career clusters
 - Assisting local project teams with service delivery
 - Providing formative feedback for the project
- Implementing and overseeing the successful operation of Wisconsin's green energy training sector strategy.
 - Facilitating local partnerships and industry collaborations
 - Monitoring grant objectives and performance
 - Providing guidance to local project teams on services and expected outcomes
 - Developing collaborations that provide continuous feedback loops into project activities
 - Ensuring that grant activities result in a sustainable, long-term training partnership infrastructure once the funding period is over

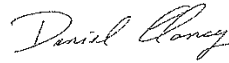
We, the SESP, will accomplish our purpose by means of:

- Regular meetings of our Wisconsin State Energy Sector Partnership Team
- Wisconsin's state workforce investment board, the Council on Workforce Investment
- Local SESP project teams, comprised of existing and emerging energy workforce stakeholders
- Department of Workforce Development staff team

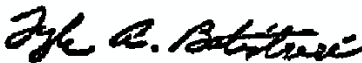
Agreed on October 12, 2009.



Marge Anderson, Associate Director Room 150A - Risser
Energy Center of Wisconsin



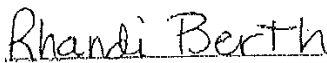
Dan Clancy, President
Wisconsin Technical College System



Lyle Balistreri, President
Milwaukee Building and Construction Trades Council



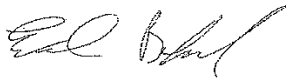
Matt Frank, Secretary
Department of Natural Resources



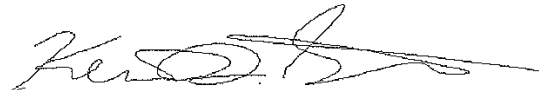
Rhandi Berth, Associate Director
WRTP/Big Step



Roberta Gassman, Secretary
Department of Workforce Development



Earl Buford, Executive Director
WRTP/Big Step



Ken Grant, State Coordinator
Office of Veterans Services



Eric Callisto, Chairperson
Public Service Commission of Wisconsin



Mark Kessenich, Director of Development & Planning
Milwaukee Area Workforce Investment Board



Walter Kunicki, Senior Vice President
Wisconsin Energy Corporation



Forrest Ceel, President
Electrical Workers IBEW Local 2150



Richard Leinenkugel, Secretary
Department of Commerce

Karen P Morgan

Karen Morgan, Director
DWD/Bureau of Apprenticeship Standards

Mike Rowe

Mike Rowe, Vice President
American Transmission Company

Michael Morgan

Michael Morgan, Secretary
Department of Administration

Chris Ruud

Chris Ruud, Executive Vice President
Ruud Lighting

Phil Neuenfeldt

Phil Neuenfeldt, Secretary Treasurer
Wisconsin State AFL-CIO

Richard Schlimm

Richard Schlimm, Executive Director
Wisconsin Community Action Program Assn

Rod Nilstestuen

Rod Nilstestuen, Secretary
Dept of Trade, Agriculture, & Consumer Protection

Judy Ziewacz

Judy Ziewacz, Director
Wisconsin Office of Energy Independence

Joel Rogers

Joel Rogers, Director
Center on Wisconsin Strategy

Kathy Kuntz

Kathy Kuntz, Director of Energy Programs
Wisconsin Energy Conservation Corporation

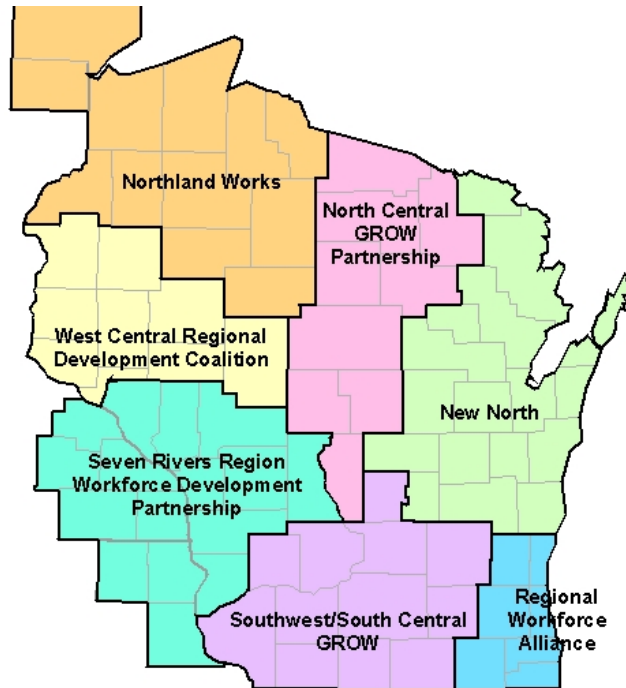
Clean Energy Wisconsin / State Energy Sector Training Plan Overview

	"Clean Energy Wisconsin – A Plan for Energy Independence" Goals	Statewide Energy Strategy	Statewide Energy Sector Training Strategy	Statewide Energy Sector Training Approach
Energy efficiency	Reduce overall energy consumption	Become more energy efficient through weatherization and other cost-effective technologies	Establish a green energy career path - from entry level to highly skilled jobs - to ready workers for the green economy	<ul style="list-style-type: none"> • Create weatherization tech/installer apprenticeship • Create new green apprenticeship occupations • "Green up" current skilled trades • Expand industry accreditations • Create and promote entrepreneurship training
	Provide resources for residents and businesses to up energy efficiency	Retool Wis businesses to produce renewable energy system components and energy efficiency products (supply chain)	Refresh and retool incumbent and new workers for employers who manufacture energy-efficient products and technologies	Leverage funding resources and opportunities built through other DOL, DOE, ARRA and Governor grants to advance worker skills Create, strengthen and modernize training curricula
	Promote research, development and manufacturing of energy-efficient technologies and products – from batteries to lights to heating systems			
Renewable Energy & Manufacturing	Provide the supplies and equipment necessary to produce the renewable energy of the future and capture 10% of market share for production of renewable energy & bio-products	Pursue bold research and programs to develop new wind projects and biomass markets	Create career pathways which embed green skills trng within current curricula and training strategies	<ul style="list-style-type: none"> • Leverage the State Energy Program grants which support clean energy business development • Shape training strategies from all available resources and industry experts
	Generate 25% electricity from renewable resources and 25% of our transportation fuel from renewal fuels by 2025	Use renewable energy efficiency technologies to reduce fossil fuel use in manufacturing	Bolster the skills of workers in traditional occupations to advance a green energy economy, including Tool and die makers, Machinists, Welder, Fabricator, Others	
	Take ground-breaking research and turn into new high-paying jobs for Wisconsin workers	Transform research into product lines to provide equipment and supplies necessary to fuel a renewable economy	Systematically scrutinize emerging technologies to incorporate into new jobs Link green economy with workforce development to ensure a ready pipeline of skilled workers	Engage partners and resources, such as Governor's Energy Cabinet, employers, businesses, COWS, etc. to create a flexible and responsive workforce development system
Smart grid/utilities	Promote affordable, renewable and diverse energy supply Utilities and industries will produce energy from a variety of new sources	Enhance Wisconsin's transmission and distribution systems to make prudent, early investments in smart grid technologies	Create career pathways which embed green skills trng within current curricula and training strategies	<ul style="list-style-type: none"> • Leverage the State Energy Program grants which support clean energy business development • Supply training to DOE ARRA energy grants • Shape training strategies using sector experts • Expand industry accreditations • Create and promote entrepreneurship training

Wisconsin State Energy Sector Partnership

Local Project Teams

Wisconsin's GROW Regions



Wisconsin's GROW regions were established as part of Governor Jim Doyle's *Grow Wisconsin* program to encourage regional partnerships for coordinating economic, workforce, and education system development. Within each GROW region is one or more Workforce Development Board (WDB) structure that provides a statewide network of local service delivery systems and serves as the foundation for local SESP Project Teams. (In three regions there are more than one WDB.) This foundation allows the Local SESP Project Team to build upon the existing priorities of the workforce development system and to firmly establish their energy sector services within that framework.

The project teams will facilitate services through robust local recruitment activities that meet the needs of the targeted industries. They will provide supportive services and training funds to new and existing apprentices and other targeted participants through Wisconsin's exceptional One-stop Job Center system. The teams will perform follow-up and retention services to those served.

It is expected that the local SESP project teams, while directly focused on achieving this proposal's planned outcomes, will also think and plan strategically to develop a unified vision of how the existing and emerging needs of the energy sector fit into the area's short and long-term workforce planning strategies. The state SESP leadership team will utilize this "on the ground" input and feedback to shape and adjust its workforce strategies, as needed.

KAREN P. MORGAN

Karen Morgan serves as the Director of the Bureau of Apprenticeship Standards, Department of Workforce Development. (DWD). She was appointed to her current position in April 1993.

Karen began her employment with the State of Wisconsin in 1971. Throughout her career, Karen served in various positions in the Department. Immediately prior to her appointment as Director of the Bureau of Apprenticeship Standards, Karen served as the Director of the Bureau of Benefits from 1987 to 1993 in the Division of Unemployment Insurance.

Karen is current President of the National Association of State and Territorial Apprenticeship Director (NASTAD) which is comprised of apprenticeship directors from state apprenticeship programs.

Karen graduated from the University of Wisconsin--Superior in 1969 with a BA Degree in English.

