# **Utilities Field Technician**

WISCONSIN—YOUTH APPRENTICESHIP

Youth Apprenticeship

#### **UTILITIES FIELD TECHNICIAN**

Utilities Field Technician youth apprentices perform routine service work and related duties on utility systems. Youth apprentices perform a wide variety of activities both at the worksite and in the field.

Length of Apprenticeship: One year

### **REQUIRED COMPETENCIES**

Youth apprentices must become proficient in both general employability and occupation-specific competencies. All of these, and examples of how each can be demonstrated, are found in the following pages. A total of 12 occupational competencies must be learned for this occupation. Employers may substitute out one of these and should write in the competency they are adding. Youth apprentices must be evaluated on these competencies at least two times each year of their apprenticeship.

**Safety Considerations:** Youth apprentices under the age of 18 are prohibited from using arial lifts, climbing poles, skid steers, compactors, and forklifts. For trenches, piers, foundations, and holes excavation is limited to 4 feet in depth or less.

#### **Competencies**

- 1. Follow safety procedures
- 2. Perform preventative maintenance on company vehicles
- 3. Prep vehicles for "in service"
- 4. Prepare materials for distribution
- 5. Assist with inventory control
- 6. Probe residential/non-commercial meters
- 7. Perform electric and/or gas meter inspections
- 8. Paint meters
- 9. Assist with exchanging an electric and/or gas meter
- 10. Perform staking for new construction
- 11. Assist with electric and/or gas main and service installations
- 12. Perform facility maintenance

#### REGISTERED APPRENTICESHIP BRIDGING OPPORTUNITIES

The following Registered Apprenticeship is available in this area:

- Electric Line Worker
- Metering Technician
- Substation Electrician

### POST-SECONDARY PATHWAY OPPORTUNITIES

There are several post-secondary pathway opportunities in this area. The following is a partial list.

• Electrical Power Distribution

Utilities Engineering Technology



# **Utilities Field Technician**

Youth Apprenticeship

# ON-THE-JOB LEARNING PERFORMANCE STANDARDS GUIDE

### YOUTH APPRENTICE INFORMATION

Youth Apprentice Name	
YA Coordinator	
YA Consortium	
School District	
SIGNATURES	
The On-the-Job Learning Performance Standards	Guide includes a list of competencies youth
apprentices learn through mentoring and training	·
should be reviewed with the employer/mentor, something the youth apprentice to record progress and plan competencies. Mentors, school-based/YA coordinates to the competencies of the coordinates of the co	s and School-Based or YA coordinators: This document school-based or YA coordinator on a regular basis with a future steps to ensure completion of the required nator, and the apprentice sign below.  **Topic Complex
1 <sup>st</sup> Evaluation (Required)	
Employer/Mentor Signature	Employer/Mentor Signature
Employer/Mentor	Employer/Mentor
Business/Company	Business/Company
Date Signed	Date Signed
3 <sup>rd</sup> Evaluation (Optional)	4th Evaluation (Optional)
Employer/Mentor Signature	Employer/Mentor Signature
Employer/Mentor	Employer/Mentor
Business/Company	Business/Company
Date Signed	Date Signed

# **School-Based and/or YA Coordinator**

### 1<sup>st</sup> Evaluation (Required)

# 2<sup>nd</sup> Evaluation (Required)

School-Based and/or YA Coordinator Signature	School-Based and/or YA Coordinator Signature
School-Based and/or YA Coordinator	School-Based and/or YA Coordinator
School District or Organization	School District or Organization
Date Signed	Date Signed

# 3<sup>rd</sup> Evaluation (Optional)

### 4th Evaluation (Optional)

School-Based and/or YA Coordinator Signature	School-Based and/or YA Coordinator Signature
School-Based and/or YA Coordinator	School-Based and/or YA Coordinator
School District or Organization	School District or Organization
Date Signed	Date Signed

# **Youth Apprentice**

### 1<sup>st</sup> Evaluation (Required)

# 2<sup>nd</sup> Evaluation (Required)

Youth Apprentice Signature	Youth Apprentice Signature
Youth Apprentice	Youth Apprentice
School District / High School	School District / High School
Date Signed	Date Signed

# 3<sup>rd</sup> Evaluation (Optional)

### 4th Evaluation (Optional)

Youth Apprentice Signature	Youth Apprentice Signature
Youth Apprentice	Youth Apprentice
School District / High School	School District / High School
Date Signed	Date Signed

# EMPLOYABILITY SKILLS (TO BE COMPLETED BY YA EMPLOYER/MENTOR)

All youth apprentices must demonstrate the key employability skills listed below in order to complete the YA program. They do so by earning at least a "Meets Expectation" rating in each. **At least two evaluations are required each year of a youth apprenticeship.** More columns are included below for those who choose to conduct more frequent reviews.

1	Working to Meet Expectations: Needs improvement; requires much assistance and supervision;
	rarely displays this behavior
2	Meets Expectations: Meets entry-level criteria; requires some supervision; often displays this
	behavior
3	Exceeds Expectations: Exceeds entry-level criteria; requires minimal supervision; consistently
	displays this behavior

Employability Skills Rating				
Competency and Rating Criteria	Initial	Mid Year 1	Mid Year 2	Final
<ol> <li>Develops positive work relationships with others.         Examples of qualities and habits that the employee might exhibit include:         <ul> <li>Interacts with others with respect and in a non-judgmental manner</li> <li>Responds to others in an appropriate and non-offensive manner</li> <li>Helps co-workers and peers accomplish tasks or goals</li> <li>Applies problem-solving strategies to improve relations with others</li> <li>When managing others, shows traits such as compassion, listening, coaching, team development, and appreciation</li> </ul> </li> </ol>	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
<ul> <li>2. Communicates effectively with others  Examples of qualities and habits that the employee might exhibit include</li> <li>Adjusts the communication approach for the target audience, purpose, and situation to maximize impact</li> <li>Organizes messages/information in a logical and helpful manner</li> <li>Speaks clearly and writes legibly</li> <li>Models behaviors to show active listening</li> <li>Applies what was read to actual practice</li> <li>Asks appropriate questions for clarity</li> </ul>	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
<ul> <li>Collaborates with others         <ul> <li>Examples of qualities and habits that the employee might exhibit include</li> </ul> </li> <li>Works effectively in teams with people of diverse backgrounds regardless of sex, race, ethnicity, nationality, sexuality, religion, political views, and abilities</li> <li>Shares responsibility for collaborative work and decision making</li> <li>Uses the problem-solving process to work through differences of opinion in a constructive manner to achieve a reasonable compromise</li> <li>Avoids contributing to an unproductive group conflict         <ul> <li>Shares information and carries out responsibilities in a timely manner</li> </ul> </li> </ul>	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3

	Employability Skills		Rat	ing	
	Competency and Rating Criteria	Initial	Mid Year 1	Mid Year 2	Final
4.	<ul> <li>Maintains composure under pressure         Examples of qualities and habits that the employee might exhibit include     </li> <li>Uses critical thinking to determine the best options or outcomes when faced with a challenging situation</li> <li>Carries out assigned duties while under pressure</li> <li>Acts in a respectful, professional, and non-offensive manner while under pressure</li> <li>Applies stress management techniques to cope under pressure</li> </ul>	☐ 1 ☐ 2 ☐ 3	□ 1 □ 2 □ 3	☐ 1 ☐ 2 ☐ 3	□1 □2 □3
5.	Demonstrates integrity  Examples of qualities and habits that the employee might exhibit include  Carries out responsibilities in an ethical, legal and confidential manner  Responds to situations in a timely manner  Takes personal responsibility to correct problems  Models behaviors that demonstrate self-discipline, reliability, and dependability	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	□ 1 □ 2 □ 3
6.	Performs quality work  Examples of qualities and habits that the employee might exhibit include  Carries out written and verbal directions accurately  Completes work efficiently and effectively  Performs calculations accurately  Conserves resources, supplies, and materials to minimize costs and environmental impact  Uses equipment, technology, and work strategies to improve workflow  Applies problem-solving strategies to improve productivity  Adheres to worksite regulations and practices  Maintains an organized work area	☐ 1 ☐ 2 ☐ 3			
7.	<ul> <li>Provides quality goods or services (internal and external)</li> <li>Examples of qualities and habits that the employee might exhibit include</li> <li>Shows support for the organizational goals and principles by own personal actions</li> <li>Displays a respectful and professional image to customers</li> <li>Displays an enthusiastic attitude and desire to take care of customer needs</li> <li>Seeks out ways to increase customer satisfaction</li> <li>Produces goods to workplace specifications</li> </ul>	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	☐ 1 ☐ 2 ☐ 3	□1 □2 □3
8.	<ul> <li>Shows initiative and self-direction</li> <li>Examples of qualities and habits that the employee might exhibit include</li> <li>Prioritizes and carries out responsibilities without being told</li> <li>Responds with enthusiasm and flexibility to handle tasks that need immediate attention</li> <li>Reflects on any unsatisfactory outcome as an opportunity to learn</li> <li>Improves personal performance by doing something different or differently</li> <li>Analyzes how own actions impact the overall organization</li> <li>Supports own action with sound reasoning and principles</li> <li>Balances personal activities to minimize interference with work responsibilities</li> </ul>	☐ 1 ☐ 2 ☐ 3			

Employability Skills		Rat	ing	
Competency and Rating Criteria	Initial	Mid Year 1	Mid Year 2	Final
<ul> <li>9. Adapts to change         Examples of qualities and habits that the employee might exhibit include Shows flexibility and willingness to learn new skills for various job roles         <ul> <li>Uses problem-solving and critical-thinking skills to cope with changing circumstances</li> <li>Modifies own work behavior based on feedback, unsatisfactory outcomes, efficiency, and effectiveness</li> <li>Displays a "can do" attitude</li> </ul> </li> </ul>	□1	□1	□1	□1
	□2	□2	□2	□2
	□3	□3	□3	□3
<ul> <li>10. Demonstrates safety and security regulations and practices Examples of qualities and habits that the employee might exhibit include <ul> <li>Follows personal safety requirements</li> <li>Maintains a safe work environment</li> <li>Demonstrates professional role in an emergency</li> <li>Follows security procedures</li> <li>Maintains confidentiality</li> </ul> </li></ul>	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
<ul> <li>11. Applies job-related technology, information, and media  Examples of qualities and habits that the employee might exhibit include</li> <li>Applies technology effectively in the workplace</li> <li>Assesses and evaluates information on the job</li> <li>Assesses training manuals, website, and other media related to the job</li> </ul>	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
<ul> <li>12. Fulfills training or certification requirements for employment         Examples of this requirement may include</li> <li>Participation in required career-related training and/or educational programs</li> <li>Passing certification tests to qualify for licensure and/or certification</li> <li>Participation in company training or orientation</li> </ul>	☐ 1	☐ 1	☐ 1	☐ 1
	☐ 2	☐ 2	☐ 2	☐ 2
	☐ 3	☐ 3	☐ 3	☐ 3
<ul> <li>13. Sets personal goals for improvement  Examples of this requirement may include</li> <li>Setting goals that are specific and measurable</li> <li>Setting work-related goals that align with the organization's mission</li> <li>Identifying strategies to reach goals</li> <li>Reflecting on goal progress to regularly evaluate and modify goals</li> </ul>	☐ 1	☐ 1	☐ 1	□1
	☐ 2	☐ 2	☐ 2	□2
	☐ 3	☐ 3	☐ 3	□3

# OCCUPATIONAL COMPETENCIES (TO BE COMPLETED BY YA EMPLOYER/MENTOR)

Youth Apprentices must earn a rating of at least "MEETS EXPECTATIONS" in each competency by the conclusion of the apprenticeship. A total of 12 competencies, 11 must be from the list below. Employers may substitute out one of these and should write in the competency they are adding. At least two evaluations are required each year of a youth apprenticeship. More columns are included below for those who choose to conduct more frequent reviews.

1	Working to Meet Expectations: Needs improvement; requires much assistance and supervision;
	rarely displays this behavior
2	Meets Expectations: Meets entry-level criteria; requires some supervision; often displays this
	behavior
3	Exceeds Expectations: Exceeds entry-level criteria; requires minimal supervision; consistently
	displays this behavior

Occupational Competencies		Rat	ing	
		Eva	luation	
		Minimum R	ating of 2	2 EACH
Competency and Rating Criteria		Chec	k Rating	
	Initia	Mid	Mid	Final
	IIIICI	Year 1	Year 2	Fillal
1. Follow safety procedures		լ 📗 🛮 1	□ 1	□ 1
<ul> <li>select and use appropriate clothing and personal protective equipme</li> </ul>	ent   🗀 :	2	<b>□</b> 2	<b>□</b> 2
(PPE)		3		_ 3
store PPE properly				
<ul> <li>inspect PPE before wearing</li> </ul>				
<ul> <li>comply with job site safety and security rules and regulations</li> </ul>				
<ul> <li>maintain a clean and organized work environment</li> </ul>				
<ul> <li>identify and report unsafe job conditions</li> </ul>				
<ul> <li>perform stretching to prevent injuries</li> </ul>				
<ul> <li>actively participate in safety meetings and complete quizzes</li> </ul>				
<ul> <li>follow organization cybersecurity policies</li> </ul>				
<ul> <li>participate in pre-job briefings</li> </ul>				
<ul> <li>perform pre-and-post trip inspections for company vehicles</li> </ul>				
2. Perform preventative maintenance on company vehicles		l 🗆 1	□ 1	□ 1
<ul> <li>schedule the preventative maintenance services</li> </ul>		2 2	□ 2	□ 2
change oil		3 3	<b>□</b> 3	<b>□</b> 3
<ul> <li>check tire pressure</li> </ul>				
check lights				
check turn signal				
<ul> <li>report unsafe conditions</li> </ul>				
<ul> <li>complete inspection reports</li> </ul>				

Occupational Competencies		Rati	ing	
	0.43		luation	FACU
Competency and Rating Criteria	IVIII		ating of 2 k Rating	EACH
Competency and naming enterna	Initial	Mid	Mid	Final
	Initial	Year 1	Year 2	Final
3. Prep vehicles for in service	<b>□1</b>	□ 1	□ 1	□ 1
add decals	□ 2	□ 2	□ 2	□ 2
ensure paperwork is complete     mount license plate	□ 3	□ 3	□ 3	☐ 3
<ul><li>mount license plate</li><li>take photos of the vehicles</li></ul>				
<ul> <li>take priotos of the vehicles</li> <li>perform acceptance testing</li> </ul>				
<ul> <li>install fire extinguishers and first aid kits</li> </ul>				
motan me extinguishers and mot all met				
4. Prepare materials for distribution	<b>□</b> 1	□ 1	□ 1	□ 1
pull inventory for distribution	□ 2	□ 2	□ 2	□ 2
select appropriate packing materials	3	 3	 3	 3
select appropriate shipping container				
prepare and apply label				
5. Assist with inventory control	1	<u> </u>	<u> </u>	1
<ul> <li>verify accuracy of incoming items</li> </ul>	□ 2	□ 2	□ 2	□ 2
monitor inventory levels	<u> </u>	 3	 3	 3
stock inventory				
document inventory				
6. Probe residential/non-commercial meters	<u> </u>	<b>□</b> 1	<b>□</b> 1	<b>□</b> 1
attach the probe to the meter	☐ <b>2</b>	2	2	2
upload the data	3	3	3	3
send appropriate follow up based on service order				
7. Perform electric and/or gas meter inspections	1	<b>□</b> 1	<b>□</b> 1	<b>□</b> 1
inspect the meter for physical damage	2	2	2	2
<ul> <li>inspect for abnormal operating conditions</li> </ul>	□ 3	□3	□3	□3
document maintenance needed				
clear obstructions (brush/scrub)				
read meters to verify accuracy				
8. Paint meters	1	<u> </u>	<u> </u>	□ 1
clear obstructions	2	_ 2	_ 2	_ 2
brush/scrub the piping and fittings	3	_ 3	_ 3	_ 3
apply paint				
clean work area				

Occupational Competencies	Rating				
·			Evaluation		
	Minimum Rating of 2 EACH				
Competency and Rating Criteria		Check Rating			
	1!4! - 1	Mid Mid			
	Initial	Year 1	Year 2	Final	
9. Assist with exchanging an electric and/or gas meter	□ 1	□ 1	□ 1	□ 1	
<ul> <li>follow applicable work practices and safety rules</li> </ul>	□2	□2	□2	<b>□2</b>	
make an appointment with the customer	 3	 □3		 3	
remove the old meter					
install the new meter					
<ul> <li>assist with electric meter exchanges under direct supervision</li> </ul>					
assist with relighting the gas appliances					
10. Perform staking for new construction	1	<b>□</b> 1	<b>□</b> 1	<b>□</b> 1	
locate property lines and easements	☐ <b>2</b>	☐ 2	☐ 2	☐ <b>2</b>	
<ul> <li>identify other underground facilities</li> </ul>		=			
identify road right of way	3		3		
take accurate field notes					
identify clearance/code requirements					
identify installation methods (trench vs. bore)					
flag routes or install lathe/stake					
interpret mapping symbology					
interpret certified survey maps					
<ul> <li>use measuring devices to measure distances</li> </ul>					
gather materials used for services					
11. Assist with gas main and service installations	<b>□</b> 1	<b>□</b> 1	<b>□</b> 1	<b>□</b> 1	
work with crew to identify location					
hand-dig location	<u></u>	<u></u>	<u> </u> 2	2	
assist with house piping	∐ 3	∐3	3		
assist with wrapping pipe					
assist with wrapping pipe     assist with service installation					
gather tools and materials					
<ul> <li>identify location and assist with locating and short finding</li> </ul>					
follow emergency response procedures					
assist with leak detection					
perform other basic laborer tasks related to utilities					
12. Perform facility maintenance		<b>□</b> 1		<b>□</b> 1	
• inspect first aid kits	∐1   □2				
<ul> <li>inspect first and Rts</li> <li>inspect fire extinguishers and Automated External Defibrillators (AEDs)</li> </ul>	<u></u>	<u> </u>	<u> </u> 2	<b>□ 2</b>	
shovel snow and put down salt	∐ 3		<b>□</b> 3	<b>3</b>	
perform lawn maintenance					
perform lawn maintenance					
		Ī	i	1	

Occupational Competencies	Rating			
	Evaluation  Minimum Rating of 2 EACH			
Competency and Rating Criteria	Check Rating			
	Mid Mid		Final	
	Initial	Year 1	Year 2	Final
Competency Substitute (if you replaced a competency above, note the competency and rating)	□ 1 □ 2 □ 3			□1 □2 □3
Comments:				

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