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Received 02/18/2025 TLC	Teri Gardner 2-21-25
Recieved 02/13/2025 TLC	Teri Gardner 2-14-25
L&I Apprenticeship Consultant	L&I Admin

Department of Labor and Industries
Apprenticeship Section
PO Box 44530
Olympia WA 98504-4530

Request for Revision of Standards

TO: Washington State Apprenticeship & Training Council

FROM: **CLARK COUNTY P.U.D. NO. 1 APPRENTICESHIP COMMITTEE #163**

Please update our Standards of Apprenticeship to reflect the following changes:

- Additions shall be underlined (<u>underlined</u>).
- Deletions shall be struck through (~~struck through~~).
- See attached.

Form must be signed by Committee Chair *and* Secretary *or* Program's Authorized Signer

☒ Chair ☐ Authorized Signer	Date 2/12/2025	☒ Secretary	Date 2/12/2025
Print Name: Larry Jones		Print Name: Brian Roden	
Signature:		Signature:	

Approved By: **Washington State Apprenticeship & Training Council**
Signature of Secretary of the WSATC:
Date:

Attach additional sheets if necessary

Occupational Objective(s):	SOC#	Term [WAC 296-05-015]
LINEMAN	**49-9051.00**	**6000 HOURS**
METERMAN	**49-9012.00**	**6000 HOURS**
SYSTEM OPERATOR	**51-8012.00**	**6000 HOURS**
WATER SYSTEM OPERATOR	**51-8031.00**	**7000 HOURS**
UTILITY MECHANIC	**49-3042.00**	**6000 HOURS**

IV. TERM OF APPRENTICESHIP:

Not less than three (3) years or 6000 hours of reasonable continuous employment for Lineman, Meterman, System Operator and Utility Mechanic occupations.

VI. RATIO OF APPRENTICES TO JOURNEY LEVEL WORKERS

E. The ratio must be described in a specific and clear manner, as to the application in terms of job site, work group, department or plant:

4. **Water System Operator: There shall be not more than one (1) Water System Operator apprentice to one (1) journey-level Water System Operator throughout the sponsor's work force.**
5. **Utility Mechanic: There shall be not more than one (1) Utility Mechanic apprentice to one (1) journey-level Utility Mechanic throughout the sponsor's work force**

VII. APPRENTICE WAGES AND WAGE PROGRESSION:

C. WAGE PROGRESSION SCHEDULES:

5. Utility Mechanic apprentices shall be paid not less than the following wage scale:

Step	Number of hours/months	Percentage of journey-level rate
1	0000 - 1000 hours or 0 - 6 months	77%
2	1001 - 2000 hours or 7 - 12 months	82%
3	2001 - 3000 hours or 13 - 18 months	84.5%
4	3001 - 4000 hours or 19 - 24 months	89.5%
5	4001 - 6000 hours or 25 - 36 months	94.5%

VIII. WORK PROCESSES:

E. Utility Mechanic **APPROXIMATE HOURS**

1. Familiarization/Safety Programs …….....400
Shop routine, maintenance program training, general orientation, district/shop tours, safety training & practices; proper use/familiarization of shop equipment, PPE, proper marking of active work zones, overhead crane use/training, proper rigging/training; stay compliant with District provided online training, 1st aid training, attendance & engagement with department safety meetings.

2. Light Duty Vehicle and Trailer Maintenance 500
Preventative Maintenance (PM) program & repairs (A, B, C, D) inspections. Cars, Pickups, Vans. PM program & repairs on light duty trailers, trailer annual inspections.

3. Heavy Duty Vehicle and Trailer Maintenance (DOT) …….……600
PM program & repairs (A, B, C, D, DOT) inspections on heavy vehicles {550 & up}. PM program & repairs on heavy trailers, trailer annuals, trailer DOT inspections and driving/pre-trip of commercial vehicles.

4. Industrial Equipment Maintenance.....400
PM program & repairs on mobile & mounted equipment (pullers, tensioners, generators, compressors, auxiliary power units, etc.), backhoes, excavators, forklifts, including 90 day and EQ100 inspections.

5. Aerial Equipment Maintenance & Repair……..... 900
PM program & repairs on aerial lifts, digger derricks, cranes, & scissor lifts, including 30/90 day and annual inspections. Hydraulic system maintenance & repair, pressure adjustments (system, standby, pilot), system diagnostics, electric over hydraulic issues and adjustments, system familiarity (system design, filters, strainers, dielectric properties), high pressure hose fabrication.

6. Chassis 950
All drivetrain & suspension diagnostic & repair (shocks, springs, steering components, drivelines, u-joints, axles); light & heavy-duty brake system diagnostics & repairs (vehicles & trailers), on board air systems knowledge & troubleshooting, hydraulic, air & electric brake systems operation; all tire & wheel maintenance & repair (flat repair, tire replacement, rotation, tire wear troubleshooting, etc.), equipment track/drive system repairs; all interior & exterior chassis & body repairs, including service bodies, door hinges, latches, seating & accessories, glass & mirrors.

7. Powertrain.....950
Light duty & heavy-duty engine diagnostics & repairs (gas & diesel engines, EV & Hybrid engines/motors), no start, poor performance, after treatment & emissions systems, heating & cooling systems performance; automatic & manual transmission maintenance, diagnostic and repair of transmission, differential, axles, clutch, torque converter, transfer cases, or other items associated with powertrain components.

8. Electrical.....850
Electrical systems (vehicles, equipment, trailers) 12 volt & 24 volt & high voltage (EV & Hybrid engines/motors) battery & charging system diagnostics, testing, maintenance & repair, lighting systems; HVAC system diagnostics, maintenance & repairs, proper handling of Freon, climate control systems, fans, blend door actuators & auxiliary heating/cooling systems.

9. Fabrication.....250
General metal fabrication & welding (shop & mobile), use of oxy-acetylene torch, plasma cutting, ARC & MIG welding; proper use of PPE, drills, drill press, grinders, chop saws, misc.; ability to properly design, assemble, install custom fabricated components (including sandblasting, painting).

10. Mobile Field Work……...……200
All field troubleshooting & repair work (including road calls, yard delays, jump starts, etc.), ability to work off the service truck in unfavorable situations, follow proper procedures when responding to active work zones, substations, etc.

Total Hours: 6000 Hours

X. ADMINISTRATIVE/DISCIPLINARY PROCEDURES:

A. Administrative Procedures

3. Sponsor Procedures:

i. The Utility Mechanic Apprentice must pass the Welding Courses, CDL, A/C certification 609 from the EPA, and FMCSA -49-CFR part 396.25 DOT brake inspector certification prior to being advanced to journey-level Utility Mechanic.

~~i.~~j. The committee will certify to the Registration Agency and request completion certificates for all that complete the program satisfactorily.

XI. SPONSOR – RESPONSIBILITIES AND GOVERNING STRUCTURE

D. Committee governance (if applicable): (see WAC 296-05-009)

1.

The Apprenticeship Committee shall be composed of ~~three~~ four ~~(3)~~ (4) members representing Clark County P.U.D. and ~~three~~ four ~~(3)~~ (4) members representing the International Brotherhood of Electrical Workers, Local No. 125, of Portland, Oregon.

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Olympia WA 98504-4530

Journey Level Wage Rate

From which apprentices' wage rates are computed

TO: Washington State Apprenticeship & Training Council

FROM: Clark County P.U.D. No. 1 Apprenticeship Committee #163

Occupation:	County(ies):	Journey Level Wage Rate:	Effective Date:
Utility Mechanic **SOC:** 49-3042.00		$ 54.67	3/01/2025
		$	
		$	
		$	

Sponsors must submit the journey-level wage at least annually or whenever changed to the Department.

Form must be si_ned b_ Committee Chair *and* Secreta_ *or* Pro_ram's Authorized Si_ner

☒ Chair ☐ Authorized Signer	Date 2/12/2025	☒ Secretary	Date 2/12/2025
Print Name: Larry Jones		Print Name: Brian Roden	
Signature:		Signature:	

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Rec 2/14/2025 TLC	Teri Gardner 2-14-25
L&I Apprenticeship Consultant	L&I Admin

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Apprenticeship Section
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Apprenticeship Related/Supplemental Instruction (RSI) Plan Review

Program Name	
Clark County P.U.D. No. 1 Apprenticeship Committee #163	
Occupation	
Utility Mechanic	
Term/OJT Hours	Total RSI Hours
6000	596
Training Provider	
Clark Public Utilities/ Clark College	

By the signature placed below, the **program sponsor** agrees to provide the prescribed RSI for each registered apprentice and assures that:

1. The RSI content and delivery method is and remains reasonably consistent with the latest occupational practices, improvements, and technical advances.
2. The RSI is coordinated with the on-the-job work experience.
3. The RSI is provided in safe and healthful work practices in compliances with WISHA and applicable federal and state regulations.
4. The RSI Plan is maintained, updated and submitted to the Department a minimum of once every 5 years (WSATC Policy 2015-01; rev, 10-21-21).
5. The RSI will be conducted by instructors who meet the qualification of the "competent instructor" as described in WAC 296-05-003:
    a. Has demonstrated a satisfactory employment performance in her/her occupation for a minimum of three years beyond the customary learning period for that occupation; and
    b. Meets the State Board for Community and Technical Colleges requirements for a professional technical instructor (see WAC 131-16-080 through -094), or be a subject matter expert, which is an individual, such as a journey worker, who is recognized within the industry as having expertise in a specific occupation; and
    c. Has training in teaching techniques and adult learning styles, which may occur before or within one year after the apprenticeship instructor has started to provide the related technical instruction.
6. If using alternative forms of instruction, such as correspondence, electronic media, or other self-study, instruction shall be clearly defined.

Signatures on next page

Form must be signed by Committee Chair *and* Secretary *or* Program's Authorized Signer

☒ Chair ☐ Authorized Signer	Date 2/13/2025	☒ Secretary	Date
Print Name: Larry Jones		Print Name: Brian Roden	
Signature:		Signature: Brian Roden	

Training Provider Signature

Approved By (Print Name): Pat Slawson	Title: Warehouse Manager/CDL Instructor
Signature of the Training Provider:	
Date: 2-13-25	

If additional training providers are needed, go to page 4.

SBCTC

Print Name:	Title:
Signature of the Program Administrator:	
Date:	
☐ SBCTC recommends approval	☐ SBCTC recommends return to sponsor

Program Name	Occupational Objective
Clark County P.U.D. No. 1 Apprenticeship Committee #163	Utility Mechanic

Note: The description of each element must be in sufficient detail to provide adequate information for review by the SBCTC and Review Committee. To add more elements, click on the plus sign that appears below the "Description of Element/Course" field.

Describe minimum hours of study per year in terms of (check one):

☒ 12-month period from date of registration.
☐ Defined 12-month school year.
☐ 2,000 hours of on-the-job training.

Element/Course: **Introduction to Welding (WELD 102)**	Planned Hours: 80
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☐ Online ☐ Self-Study Provided by: Clark College	Year 1
Description of element/course: An introduction to the welding industry (WELD 102) and the various career paths available within the industry. Practical application in general shop safety and department-required training on metal working equipment. 40 hours-classroom, 40 hours-lab	

Element/Course: **Aerial Inspection and Maintenance Training**	Planned Hours: 24
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☒ Online ☒ Self-Study Provided by: Clark Public Utilities-Manufacturer	Year 1
Description of element/course: Altec AT40 model inspection and maintenance training. 8 hours-classroom, 8 hours-lab, 4 hours-online, 4 hours-self-study	

Element/Course: **CDL Training/Certification**	Planned Hours: 160
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☐ Online ☐ Self-Study Provided by: Clark Public Utilities	Year 1
Description of element/course: In house CDL Training. 40 hours-classroom, 120 hours-lab	

Element/Course: **Gas Metal Arc Welding (WELD 140)**	Planned Hours: 80
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☐ Online ☐ Self-Study Provided by: Clark College	Year 2
Description of element/course: Instructional theory and application of Gas Metal Arc Welding (WELD 140) processes on ferrous metals. 40 hours-classroom, 40 hours-lab	

Element/Course: **Gas Metal Arc Fabrication (WELD 141)**	Planned Hours: 80
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☐ Online ☐ Self-Study Provided by: Clark College	Year 2
Description of element/course: Application of concepts of gas metal arc welding (WELD 141) processes on ferrous metals with a focus on fabrication techniques, proper use of hand tools and equipment found in industry. 40 hours-classroom, 40 hours-lab	

Element/Course: **Aerial Inspection and Maintenance Training**	Planned Hours: 24
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☒ Online ☒ Self-Study Provided by: Clark Public Utilities-Manufacturer	Year 2
Description of element/course: Terex model HRX and LT inspection and maintenance training. 8 hours-classroom, 8 hours-lab, 4 hours-online, 4 hours-self-study	

Element/Course: **Hydro-Excavator Operation and Maintenance Training**	Planned Hours: 24
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☐ Online ☐ Self-Study Provided by: Clark Public Utilities-Manufacturer	Year 3
Description of element/course: Operation and maintenance of hydro excavators. 8 hours-classrooms, 16 hours-lab	

Element/Course: **Digger Derrick Inspection and Maintenance Training**	Planned Hours: 32
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☒ Online ☒ Self-Study Provided by: Clark Public Utilities-Manufacturer	Year 3
Description of element/course: Altec Model 3060 digger derrick service and maintenance training. 16 hours-classroom, 8 hours-lab, 4 hours-online, 4 hours-self-study	

Element/Course: **Mobile Hydraulic Certification**	Planned Hours: 32
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☐ Online ☐ Self-Study Provided by: Clark Public Utilities	Year 3
Description of element/course: Training and certification with the International Fluid Power Society in hydraulic diagrams and systems. 16 hours-classroom, 16 hours- lab	

Element/Course: **Electric Vehicle Training program**	Planned Hours: 60
Mode of Instruction (check all that apply) ☒ Classroom ☒ Lab ☒ Online ☒ Self-Study Provided by: Clark Public Utilities	Year 3
Description of element/course: Hybrid and electric vehicle training. High voltage electrical safety. Maintaining, diagnosing and servicing hybrid and electric vehicles. 16 hours-classroom, 16 hours-lab, 16 hours-online, 12 hours-self-study	

Additional Training Providers (if necessary)

Dr. William Brown	Dr. William Brown
Print Name Training Provider	Signature of Training Provider
Vice President of Instruction	Clark College
Title of Training Provider	Organization of Training Provider
Click or tap here to enter text.	
Print Name Training Provider	Signature of Training Provider
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Title of Training Provider	Organization of Training Provider
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