

For L&I Staff Use Only

Rec 03/09/2023 *AN*

Teri Gardner 3-10-23

Rec 02/09/2023 *AN*

Teri Gardner 3-6-23

L&I Apprenticeship Consultant

L&I Admin

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



Request for Approval of Proposed Standards

TO: Washington State Apprenticeship & Training Council

FROM: Parkland Light and Water Company

Check the appropriate box:

☒ Committee

☐ Plant

☐ OJT

Occupation(s)	SOC Code	Hours
Lineman	49-9051.00	7,000

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

<input checked="" type="checkbox"/> Chair	Date	<input checked="" type="checkbox"/> Secretary	Date
<input type="checkbox"/> Authorized Signer	3/9/2023		3/9/2023
Print Name: Dale Butcher		Print Name: Matt Cline	
Signature: <i>Dale Butcher</i>		Signature: <i>Matt Cline</i>	

Approved By:

Washington State Apprenticeship & Training Council

Signature of the WSATC:

Date:

Teri Gardner 3-6-23

Teri Gardner 3-10-23



APPRENTICESHIP PROGRAM STANDARDS
adopted by

PARKLAND LIGHT AND WATER COMPANY JATC

(sponsor name)

Occupational Objective(s):

SOC#

Term [WAC 296-05-015]

LINEMAN

49-9051.00

7000 HOURS



APPROVED BY
Washington State Apprenticeship and Training Council
REGISTERED WITH
Apprenticeship Section of Fraud Prevention and Labor Standards
Washington State Department Labor and Industries
Post Office Box 44530
Olympia, Washington 98504-4530

APPROVAL:

Provisional Registration

Standards Last Amended

Permanent Registration

By: _____
Chair of Council

By: _____
Secretary of Council

PARKLAND LIGHT AND WATER COMPANY JATC

INTRODUCTION

This document is an apprenticeship program standard. Apprenticeship program standards govern how an apprenticeship works and have specific requirements. This document will explain the requirements.

The director of the Department of Labor and Industries (L&I) appoints the Washington State Apprenticeship and Training Council (WSATC) to regulate apprenticeship program standards. The director appoints and deputizes an assistant director to be known as the supervisor of apprenticeship who oversees administrative functions through the apprenticeship section at the department.

The WSATC is the sole regulatory body for apprenticeship standards in Washington. It approves, administers, and enforces apprenticeship standards, and recognizes apprentices when either registered with L&I's apprenticeship section, or under the terms and conditions of a reciprocal agreement. WSATC also must approve any changes to apprenticeship program standards.

Apprenticeship programs have sponsors. A sponsor operates an apprenticeship program and declares their purpose and policy herein to establish an organized system of registered apprenticeship education and training. The sponsor recognizes WSATC authority to regulate and will submit a revision request to the WSATC when making changes to an apprenticeship program standard.

Apprenticeships are governed by federal law (29 U.S.C 50), federal regulations (29 CFR Part 29 & 30), state law (49.04 RCW) and administrative rules (WAC 296-05). These standards conform to all of the above and are read together with federal and state laws and rules

Standards are changed with WSATC approval. Changes are binding on apprentices, sponsors, training agents, and anyone else working under an agreement governed by the standards. Sponsors may have to maintain additional information as supplemental to these standards. When a standard is changed, sponsors are required to notify apprentices and training agents. If changes in federal or state law make any part of these standards illegal, the remaining parts are still valid and remain in force. Only the part made illegal by changes in law is invalid. L&I and the WSATC may cooperate to make corrections to the standards if necessary to administer the standards.

Sections of these standards identified as bold **“insert text”** fields are specific to the individual program standards and may be modified by a sponsor submitting a revised standard for approval by the WSATC. All other sections of these standards are boilerplate and may only be modified by the WSATC. See WAC 296-05-003 for the definitions necessary for use with these standards.

Sponsor Introductory Statement (Required):

PARKLAND LIGHT AND WATER COMPANY JATC

The Following Standards of Apprenticeship have been prepared by representatives of Parkland Light and Water Company JATC. These Standards will govern the training of all apprentices employed by Parkland Light and Water Company.

I. GEOGRAPHIC AREA COVERED:

The sponsor must train inside the area covered by these standards. If the sponsor wants to train outside the area covered by these standards, the sponsor must enter a portability agreement with a sponsor outside the area, and provide evidence of such an agreement for compliance purposes. Portability agreements permit training agents to use apprentices outside the area covered by the standards. Portability agreements are governed by WAC 296-05-009.

The area covered by these Standards shall be that area of Pierce County that is served by Parkland Light and Water Company and the municipal and cooperative utilities that are members of the Pierce County Cooperative Power Association.

II. MINIMUM QUALIFICATIONS:

Minimum qualifications must be clearly stated and applied in a nondiscriminatory manner [WAC 296-05-015(17)].

Age: **Applicants for apprenticeship shall be a minimum of 18 years of age at the time application is submitted.**

Education: **Applicant must be a high school graduate or equivalent and have passed one year of algebra with a grade point average of C or better.**

Physical: **Physically and mentally able to safely perform or learn to safely perform essential functions of the job with or without reasonable accommodations.**

Testing: **None**

Other: **Applicant shall have obtained a Class A CDL prior to applying.**

III. CONDUCT OF PROGRAM UNDER WASHINGTON EQUAL EMPLOYMENT OPPORTUNITY PLAN:

Sponsors with five (5) or more apprentices must adopt an Equal Employment Opportunity (EEO) Plan and Selection Procedure (chapter 296-05 WAC and 29 CFR Part 30).

The recruitment, selection, employment and training of apprentices during their apprenticeship shall be without discrimination because of race, sex (including pregnancy and

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gender identity), sexual orientation, color, religion, national origin, age, genetic information, disability or as otherwise specified by law. The sponsor shall take positive action to provide equal opportunity in apprenticeship and will operate the apprenticeship program as required by the rules of the Washington State Apprenticeship and Training Council and Title 29, Part 30 of the Code of Federal Regulations.

A. Selection Procedures:

Exempt under WAC 296-05-405(1)(a)

B. Equal Employment Opportunity Plan:

Exempt under WAC 296-05-405(1)(a)

C. Discrimination Complaints:

Any apprentice or applicant for apprenticeship who believes they have been discriminated against may file a complaint with the supervisor of apprenticeship (WAC 296-05-443).

IV. TERM OF APPRENTICESHIP:

The term of apprenticeship for an individual apprentice may be measured through the completion of the industry standard for on-the-job learning (at least two thousand hours) (time-based approach), the attainment of competency (competency-based approach), or a blend of the time-based and competency-based approaches (hybrid approach) [WAC 296-05-015].

The term of apprenticeship shall be 7000 hours of reasonably continuous employment.

V. INITIAL PROBATIONARY PERIOD:

An initial probationary period applies to all apprentices, unless the apprentice has transferred from another program. During an initial probationary period, an apprentice can be discharged without appeal rights. An initial probationary period is stated in hours or competency steps of employment. The initial probationary period is not reduced by advanced credit or standing. During an initial probationary period, apprentices receive full credit for hours and competency steps toward completion of their apprenticeship. Transferred apprentices are not subject to additional initial probationary periods [WAC 296-05-003].

The initial probationary period is [WAC 296-05-015(22)]:

- A. the period following the apprentice's registration into the program. An initial probationary period must not be longer than twenty percent of the term of the entire

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apprenticeship, or longer than a year from the date the apprenticeship is registered. The WSATC can grant exemptions for longer initial probationary periods if required by law.

- B. The period in which the WSATC or the supervisor of apprenticeship may terminate an apprenticeship agreement at the written request by any affected party. The sponsor or the apprentice may terminate the agreement without a hearing or stated cause. An appeal process is not available to apprentices in their initial probationary period.

All apprentices employed in accordance with these Standards shall be subject to an initial probationary period of the first 1200 hours of on-the-job training.

VI. RATIO OF APPRENTICES TO JOURNEY LEVEL WORKERS

Supervision is the necessary education, assistance, and control provided by a journey-level employee on the same job site at least seventy-five percent of each working day, unless otherwise approved by the WSATC. Sponsors ensure apprentices are supervised by competent, qualified journey-level employees. Journey level-employees are responsible for the work apprentices perform, in order to promote the safety, health, and education of the apprentice.

- A. The journey-level employee must be of the same apprenticeable occupation as the apprentice they are supervising unless otherwise allowed by the Revised Code of Washington (RCW) or the Washington Administrative Code (WAC) and approved by the WSATC.
- B. The numeric ratio of apprentices to journey-level employees may not exceed one apprentice per journey-level worker [WAC 296-05-015(5)].
- C. Apprentices will work the same hours as journey-level workers, except when such hours may interfere with related/supplemental instruction.
- D. Any variance to the rules and/or policies stated in this section must be approved by the WSATC.
- 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:

There shall not be more than one (1) apprentice to one (1) journey-level worker in the work force.

VII. APPRENTICE WAGES AND WAGE PROGRESSION:

- A. Apprentices must be paid at least Washington's minimum wage, unless a local ordinance or a collective bargaining agreement require a higher wage. Apprentices must be paid according to a progressively increasing wage scale. The wage scale for apprentices is based on the specified journey-level wage for their occupation. Wage increases are based on hours worked or competencies attained. The sponsor determines wage increases.

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Sponsors must submit the journey-level wage at least annually or whenever changed to the department as an addendum to these standards. Journey-level wage reports may be submitted on a form provided by the department. Apprentices and others should contact the sponsor or the Department for the most recent Journey-level wage rate.

- B. Sponsors can grant advanced standing, and grant a wage increase, when apprentices demonstrate abilities and mastery of their occupation. When advanced standing is granted, the sponsor notifies the employer/training agent of the wage increase the apprenticeship program standard requires.

C. Wage Progression Schedules

Lineman

Step	Hour Range or competency step	Percentage of journey-level wage rate
1	0-1000 hours	74.58%
2	1001-2000 hours	79.28%
3	2001-3000 hours	83.05%
4	3001-4000 hours	85.85%
5	4001-5000 hours	88.68%
6	5001-6000 hours	91.54%
7	6001-7000 hours	95%

VIII. WORK PROCESSES:

The apprentice shall receive on the job instruction and work experience as is necessary to become a qualified journey-level worker versed in the theory and practice of the occupation covered by these standards. The following is a condensed schedule of work experience, which every apprentice shall follow as closely as conditions will permit. The following work process descriptions pertain to the occupation being defined.

A. Lineman

Approximate Hours

1. Overhead.....3210
- a. (Hours include 800 hours of hot line work)
 - b. Loads, unloads, frames and sets or removes poles.
 - c. Installs or removes lightning arrestors, terminators, cutouts, transformers, capacitors, reclosers, sectionalizers, regulators and/or other protective devices. Transfers, installs and removes conductor

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guys and risers, streetlights and other equipment used in the construction, maintenance and repair of overhead distribution lines.

- 2. Underground3210**
 - a. (Hours include 200 hours hot line work)**
 - b. Installs, maintains and repairs cable, conduit, vaults, enclosures and transformers. Performs switching, locating, hi-potting and testing, faultfinding, exposing, splicing and terminating of URD cables.**
- 3. Systems340**
 - a. Switches, tags, grounds and distribution circuits and loads. Locates trouble in primary and secondary lines or cables and repairs to restore service.**
 - b. Substation: Operates, installs, removes and maintains equipment as required.**
 - c. Metering: Installs and removes meters, CTs and PTs as required.**
 - d. Tree Trimming: Removes and/or trims trees near or on energized or de-energized lines or equipment.**
 - e. Vehicle Maintenance: Cleans, stocks and loads vehicles. Inspects vehicles and performs minor repair and maintenance, or requests follow-up repair work.**
 - f. Vehicle and Equipment Operation: Operates manlifts, digger derrick, wire puller, air compressor and other utility vehicles, power tools and hand tools associated with the electrical line trade.**
- 4. Safety240**
 - a. Demonstrate proficiency in all Company Safety and Health Procedures and Training.**

Total Hours: 7000

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IX. RELATED/SUPPLEMENTAL INSTRUCTION:

The apprentice must attend related/supplemental instruction (RSI). Time spent in RSI shall not be considered as hours of work and the apprentice is not required to be paid.

RSI must be provided in safe and healthy conditions as required by the Washington Industrial Safety and Health Act and applicable federal and state regulations.

Hours spent in RSI are reported to L&I each quarter. Reports must show which hours are unpaid and supervised by a competent instructor versus all other hours (paid and/or unsupervised) for industrial insurance purposes.

For purposes of coverage under the Industrial Insurance Act, the WSATC is an employer and the apprentice is an employee when an unpaid, supervised apprentice is injured while under the direction of a competent instructor and participating in RSI activities.

If apprentices do not attend required RSI, they may be subject to disciplinary action by the sponsor.

A. The methods of related/supplemental training must be indicated below (check those that apply):

☒ Supervised field trips

☒ Sponsor approved training seminars (specify) **Northwest Public Power Association (NWPPA) Lineworker Operations courses**

☐ Sponsor approved online or distance learning courses (specify)

☐ State Community/Technical college

☐ Private Technical/Vocational college

☐ Sponsor Provided (lab/classroom)

☒ Other (specify): **Tacoma Power Line Electrician Apprenticeship program**

B. **168** Minimum RSI hours per year defined per the following [see WAC 296-05-015(6)]:

☐ Twelve-month period from date of registration.*

☒ Defined twelve-month school year: **September** through **June**.

☐ Two-thousand hours of on the job training.

**If no selection is indicated above, the WSATC will define RSI hours per twelve-month period from date of registration.*

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C. Additional Information:

NONE

X. ADMINISTRATIVE/DISCIPLINARY PROCEDURES:

A. Administrative Procedures:

The sponsor may include in this section a summary and explanation of administrative actions performed at the request or on the behalf of the apprentice. Such actions may include but are not limited to:

1. Voluntary Suspension: A temporary interruption in progress of an individual's apprenticeship agreement at the request of the apprentice and granted by the sponsor. The program sponsor shall review apprentices in suspended status at least once each year to determine if the suspension is still appropriate.
2. Advanced Standing or Credit: The sponsor may provide for advanced standing or credit for demonstrated competency, acquired experience, training or education in or related to the occupation. All sponsors need to ensure a fair and equitable process is applied to all apprentices seeking advanced standing or credit per WAC 296-05-015(11).
3. Sponsor Procedures:
 - a. **Apprentices:**
 - i. **Apprentices are required to attend all Related Supplemental Instruction (RSI).**
 - a. **Excused absences are only allowed with approval from the Apprenticeship Coordinator.**
 - ii. **Each apprentice shall maintain regular on-the-job attendance; failure to do so may result in disciplinary action.**
 - iii. **Absences and/or tardiness may result in disciplinary action.**
 - iv. **Apprentices may voluntarily cancel the Apprenticeship Agreement by written notice the Training Director listed on these Standards of Apprenticeship.**
 - v. **Apprentices may be subject to random 5-panel drug tests paid for by Parkland Light and Water.**
 - vi. **Apprentices shall maintain a valid Class A CDL WA State Driver License for the entirety of the term of the Apprenticeship.**
 - vii. **Apprentices are required to be employed by Parkland Light and Water during the term of the Apprenticeship.**
 - b. **Apprentice Advancement:**

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- i. **Apprentices shall report RSI and OJT hours for the previous month by the 5th of the following month to the Training Coordinator listed on these Standards.**
 - (a) **If the 5th falls on the weekend, hours are due on the previous Thursday.**
 - (b) **All hours reports need to be properly filled out and signed; hours not properly filled out will be considered late.**
 - ii. **Apprentices will be reviewed by the JATC prior to each step by the following criteria:**
 - (a) **All hours submitted**
 - (b) **Positive reviews on OJT performance as reported by supervisor**
 - (c) **Maintaining a 75% or better on RSI**
 - (d) **Attendance of scheduled RSI classes.**
- c. **Credit for Previous Experience/Advanced Standing:**
 - i. **Parkland Light and Water does not offer advanced standing at the time of registration.**
 - ii. **Apprentices may request additional credit only AFTER completing the probationary period; see section V of these Standards.**
 - iii. **Apprentices requesting additional credit for OJT or RSI may request in writing that their experience be evaluated by the JATC. Where such experience warrants it, the JATC will place the apprentice in the appropriate period, and credit shall be subject to review prior to his/her next advancement.**
 - iv. **All relevant supporting documentation shall be provided at the time of written request.**
 - v. **OJT Credit shall only be granted for verified OJT hours.**
 - vi. **RSI Credit shall only be granted for verified RSI hours. Example: Class rosters, transcripts or certification of completions.**
 - vii. **The JATC has the sole discretion on how to apply and grant additional credit.**
- d. **Committee (JATC):**
 - i. **The JATC shall meet every 4 (four) months at a minimum.**
 - ii. **All apprentices nearing a step increase will be reviewed prior to advancement.**
 - iii. **Disciplinary action shall only be taken at in-person meetings. Meetings that do not contain disciplinary items may take place virtually with the defined quorum, and votes on emergent matters may be handled via email.**

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B. Disciplinary Procedures

1. The obligations of the sponsor when taking disciplinary action are as follows:
 - a. The sponsor shall be responsible for enacting reasonable policies and procedures and applying them consistently. The sponsor will inform all apprentices of their rights and responsibilities per these standards.
 - b. The sponsor shall notify the apprentice of intent to take disciplinary action and reasons therefore 20 calendar days prior to taking such action. The reason(s) supporting the sponsor's proposed action(s) must be sent in writing to the apprentice.
 - c. The sponsor must clearly identify the potential outcomes of disciplinary action, which may include but are not limited to discipline, suspension or cancellation of the apprenticeship agreement.
 - d. The decision/action of the sponsor will become effective immediately.
2. The sponsor may include in this section requirements and expectations of the apprentices and an explanation of disciplinary actions imposed for noncompliance. The sponsor has the following disciplinary procedures to adopt:
 - a. Disciplinary Probation: A time assessed when the apprentice's progress is not satisfactory. During this time the sponsor may withhold periodic wage advancements, suspend or cancel the apprenticeship agreement, or take further disciplinary action. A disciplinary probation may only be assessed after the initial probation is complete.
 - b. Disciplinary Suspension: A temporary interruption in the progress of an individual's apprenticeship agreement. Conditions will include not being allowed to participate in On-the-Job Training (OJT), go to Related Supplemental Instruction (RSI) classes or take part in any activity related to the Apprenticeship Program until such time as the sponsor takes further action. The program sponsor shall review apprentices in such status at least once each year.
 - c. Cancellation: Refers to the termination of an apprenticeship agreement at the request of the apprentice, supervisor, or sponsor. [WAC 296-05-003].
3. Sponsor Disciplinary Procedures:
 - A. **Apprentice may be disciplined up to and including cancellation for the following items:**
 - i. **Failure to comply with Parkland Light & Water employee handbook and company policies**
 - ii. **Falsifying any records, such as, but not limited to:**

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- (a) OJT/RSI hours**
- (b) Production records**
- (c) Test scores**
- (d) Attendance records**
- iii. Failing a random 5-panel drug test provided by Parkland Light and Water.**
- iv. Operating a Company vehicle without a valid Washington State Driver License or other State or Federal Licenses or Permits as may be required for the operation of the particular vehicle.**

C. Apprentice Complaint Procedures:

1. The apprentice must complete his/her initial probationary period in order to be eligible to file a complaint (WAC 296-05-105).
2. Complaints involving matters covered by a collective bargaining agreement are not subject to the complaint procedures in this section.
3. Complaints regarding non-disciplinary matters must be filed with the program sponsor within 30 calendar days from the date of the last occurrence. Complaints must be in writing.
4. If the apprentice disagrees with the resolution of the complaint or wishes to contest the outcome of a disciplinary action by the program sponsor, the apprentice must file a written request for reconsideration with the program sponsor within 30 calendar days from the date the apprentice received written notice of action by the program sponsor.
5. The program sponsor must reply, in writing, to the request for reconsideration within 30 calendar days from the date the program sponsor receives the request. The program sponsor must send a copy of the written reply to the apprentice within the 30 calendar days.
6. If the apprentice disagrees with the program sponsor's decision, the apprentice may file an appeal with the Apprenticeship Program, (WAC 296-05-105). If the apprentice does not timely file an appeal, the decision of the program sponsor is final after 30 calendar days from the date the program sponsor mails the decision to the apprentice. See section "D" below.

D. Apprentice Complaint Review/Appeals Procedures:

1. If the apprentice disagrees with the program sponsor's decision, the apprentice must submit a written appeal to L&I's apprenticeship section within 30 calendar days from the date the decision is mailed by the program sponsor. Appeals must describe the subject matter in detail and include a copy of the program sponsor's decision.

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2. The L&I apprenticeship section will complete its investigation within 30 business days from the date the appeal is received and attempt to resolve the matter.
3. If the Apprenticeship section is unable to resolve the matter within 30 business days, the Apprenticeship section issues a written decision resolving the appeal.
4. If the apprentice or sponsor is dissatisfied with L&I's decision, either party may request the WSATC review the decision. Requests for review to the WSATC must be in writing. Requests for review must be filed within 30 calendar days from the date the decision is mailed to the parties.
5. The WSATC will conduct an informal hearing to consider the request for review.
6. The WSATC will issue a written decision resolving the request for review. All parties will receive a copy of the WSATC's written decision.

XI. SPONSOR – RESPONSIBILITIES AND GOVERNING STRUCTURE

The following is an overview of the requirements associated with administering an apprenticeship program. These provisions are to be used with the corresponding RCW and/or WAC. The sponsor is the policymaking and administrative body responsible for the operation and success of this apprenticeship program. The sponsor may assign an administrator or a committee to be responsible for day-to-day operations of the apprenticeship program. Administrators and/or committee members must be knowledgeable in the process of apprenticeship and/or the application of chapter 49.04 RCW and chapter 296-05 WAC and these standards. If applicable, sponsors must develop procedures for:

A. Committee Operations (WAC 296-05-009): (Not applicable for Plant Programs)

Apprenticeship committees must be composed of an equal number of management and non-management representatives from a minimum of four to a maximum of twelve members. Committees must convene meetings at least three times per year attended by a quorum of committee members as defined in these approved standards.

B. Program Operations

The sponsor will record and maintain records pertaining to the administration of the apprenticeship program and make them available to the WSATC or Department upon request. Records required by WAC 296-05-100 will be maintained for five (5) years; all other records will be maintained for three (3) years. Apprenticeship sponsors will submit required forms/reports to the Department of Labor and Industries through one of the two prescribed methods below:

Sponsors shall submit required reports through assigned state apprenticeship consultant.

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Sponsors shall submit required forms/reports through the Apprentice Registration and Tracking System (ARTS).

1. The following is a listing of forms/reports for the administration of apprenticeship programs and the time-frames in which they must be submitted:
 - a. Apprenticeship Agreements – within first 30 days of employment
 - b. Authorization of Signature forms - as necessary
 - c. Approved Training Agent Agreements– within 30 days of sponsor action
 - d. Minutes of Apprenticeship Committee Meetings – within 30 days of sponsor approval (not required for Plant program)
 - e. Request for Change of Status - Apprenticeship/Training Agreement and Training Agents forms – within 30 days of action by sponsor.
 - f. Journey Level Wage Rate – annually, or whenever changed as an addendum to section VII. Apprentice Wages and Wage Progression.
 - g. Related Supplemental Instruction (RSI) Hours Reports (Quarterly):
 - 1st quarter: January through March, due by April 10
 - 2nd quarter: April through June, due by July 10
 - 3rd quarter: July through September, due by October 10
 - 4th quarter: October through December, due by January 10
 - h. On-the-Job Work Hours Reports (bi-annual)
 - 1st half: January through June, by July 30
 - 2nd half: July through December, by January 31
2. The program sponsor will adopt, as necessary, local program rules or policies to administer the apprenticeship program in compliance with these standards. Requests for revision to these standards of apprenticeship must be submitted 45 calendar days prior to a quarterly WSATC meeting. The Department of Labor and Industries, Apprenticeship Section's manager may administratively approve requests for revisions in the following areas of the standards:
 - a. Program name
 - b. Sponsor's introductory statement
 - c. Section III: Conduct of Program Under Washington Equal Employment Opportunity Plan
 - d. Section VII: Apprentice Wages and Wage Progression
 - e. Section IX: Related/Supplemental Instruction
 - f. Section XI: Sponsor – Responsibilities and Governing Structure
 - g. Section XII: Subcommittees
 - h. Section XIII: Training Director/Coordinator
3. The sponsor will utilize competent instructors as defined in WAC 296-05-003 for RSI. Furthermore, the sponsor will ensure each instructor 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 instruction.

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C. Management of Apprentices:

1. Each apprentice will sign an apprenticeship agreement with the sponsor, who will then register the agreement with the Department before the apprentice attends RSI classes, or within the first 30 days of employment as an apprentice. For the purposes of industrial insurance coverage and prevailing wage exemption under RCW 39.12.021, the effective date of registration will be the date the agreement is received by the Department.
2. The sponsor must notify the Department within 30 days of all requests for disposition or modification to apprentice agreements, which may include:
 - a) Certificate of completion
 - b) Additional credit
 - c) Suspension (i.e. military service or other)
 - d) Reinstatement
 - e) Cancellation
 - f) Corrections
 - g) Step Upgrades
 - h) Probation Completion date
 - i) Other (i.e., name changes, address)
 - j) Training Agent Cancellation
3. The sponsor commits to rotate apprentices in the various processes of the skilled occupation to ensure the apprentice is trained to be a competent journey-level worker.
4. The sponsor shall periodically review and evaluate apprentices before advancement to the apprentice's next wage progression period. The evidence of such advancement will be the record of the apprentice's progress on the job and during related/supplemental instruction.
5. The sponsor has the obligation and responsibility to provide, insofar as possible, reasonably continuous employment for all apprentices in the program. The sponsor may arrange to transfer an apprentice from one training agent to another or to another program when the sponsor is unable to provide reasonably continuous employment, or they are unable to provide apprentices the diversity of experience necessary for training and experience in the various work processes as stated in these standards. The new training agent will assume all the terms and conditions of these standards. If, for any reason, a layoff of an apprentice occurs, the apprenticeship agreement will remain in effect unless canceled by the sponsor.
6. An apprentice who is unable to perform the on-the-job portion of apprenticeship training may, if the apprentice so requests and the sponsor approves, participate in related/supplemental instruction, subject to the apprentice obtaining and providing to the sponsor written requested document/s for such participation. However, time spent will not be applied toward the on-the-job portion of apprenticeship training.

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7. The sponsor shall hear and decide all complaints of violations of apprenticeship agreements.
8. Upon successful completion of apprenticeship, as provided in these standards, and passing the examination that the sponsor may require, the sponsor will recommend the WSATC award a Certificate of Completion of Apprenticeship. The sponsor will make an official presentation to the apprentice who has successfully completed his/her term of apprenticeship.

D. Training Agent Management:

1. The sponsor shall offer training opportunities for apprentices by ensuring reasonable and equal working and training conditions are applied uniformly to all apprentices. The sponsor shall provide training at an equivalent cost to that paid by other employers and apprentices participating in the program. The sponsor shall not require an employer to sign a collective bargaining agreement as a condition of participation.
2. The sponsor must determine whether an employer can adequately furnish proper on the job training to an apprentice in accordance with these standards. The sponsor must also require any employer requesting approved training status to complete an approved training agent agreement and to comply with all federal and state apprenticeship laws, and these standards.
3. The sponsor will submit training agent agreements to the Department with a copy of the agreement and/or the list of approved training agents within thirty calendar days from the effective date. Additionally, the sponsor must submit rescinded training agent agreements to the Department within thirty calendar days of said action.

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

1. Apprenticeship committees shall elect a chairperson and a secretary who shall be from opposite interest groups, i.e., chairperson-employers; secretary-employees, or vice versa. If the committee does not indicate its definition of quorum, the interpretation will be "50% plus 1" of the approved committee members. The sponsor must also provide the following information:
 - a. Quorum: **50% of listed Committee, including at least one employer and one employee representative**
 - b. Program type administered by the committee: **Individual Joint**

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- c. The employer representatives shall be:

**Dale Butcher, Chair
Electrical Superintendent
12918 Park Ave. So.
Tacoma, WA 98448**

**Susan Cutrell
General Manager
12918 Park Ave. So.
Tacoma, WA 98448**

- d. The employee representatives shall be:

**Matt Cline, Secretary
Line Foreman
12918 Park Ave. So.
Tacoma, WA 98448**

**Adam Brinkman
Assistant Business Manager
3525 So. Alder St.
Tacoma, WA 98409**

F. Plant programs

For plant programs the WSATC or the Department designee will act as the apprentice representative. Plant programs shall designate an administrator(s) knowledgeable in the process of apprenticeship and/or the application of chapter 49.04 RCW and chapter 296-05 WAC and these standards.

The designated administrator(s) for this program is/are as follows:

NONE

XII. SUBCOMMITTEE:

Subcommittee(s) approved by the Department, represented equally from management and non-management, may also be established under these standards, and are subject to the main committee. All actions of the subcommittee(s) must be reviewed by the main committee. Subcommittees authorized to upgrade apprentices and/or conduct disciplinary actions must be structured according to the same requirements for main committees.

NONE

PARKLAND LIGHT AND WATER COMPANY JATC

XIII. TRAINING DIRECTOR/COORDINATOR:

The sponsor may employ a person(s) as a full or part-time training coordinator(s)/ training director(s). This person(s) will assume responsibilities and authority for the operation of the program as are delegated by the sponsor.

Dale Butcher
Apprenticeship Coordinator/Electrical Superintendent
12918 Park Ave. So.
Tacoma, WA 98448

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L&I Apprenticeship Consultant

Teri Gardner 3-6-23
L&I Admin

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



Journey Level Wage Rate

From which apprentices' wage
rates are computed

TO: Washington State Apprenticeship & Training Council

FROM: Parkland Light & Water Company JATC

Occupation:	County(ies):	Journey Level Wage Rate:	Effective Date:
Lineman	Pierce	\$62.88	3-6-2023
		\$	
		\$	
		\$	

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

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

<input checked="" type="checkbox"/> Chair	Date 2/6/2023	<input checked="" type="checkbox"/> Secretary	Date 2/6/2023
<input type="checkbox"/> Authorized Signer			
Print Name: Dale Butcher		Print Name: Susan Cutrell	
Signature: <i>Dale Butcher</i>		Signature: <i>Susan Cutrell</i>	

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Apprenticeship Committee Representative Qualifications

The Apprenticeship Committee is responsible for the day-to-day operations of the apprenticeship and training program and operating the program consistent with the standards of apprenticeship. Pursuant to WAC 296-05-009, the Representative listed below shall be familiar with the applicable apprenticeship standards.

Name of Program
Parkland Light and Water Company JATC

Committee Representative Name
Adam Brinkman

Committee Representative Signature

Adam Brinkman

☐ Employer Representative ☒ Employee Representative (Does not have the authority to hire or fire)

Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
Asst Bus Mgr	IBEW 483	01/23	current
Lineman	Tacoma Power	09/22	01/23
Lineman	Parkland Light and Water	07/22	09/22
Lineman	Tacoma Power	08/08	07/22

Education History

Name of Training and/or School (most recent first)	Completed Date (mm/yy)	Program of Study	Degree or Certification
Tacoma Power Line Apprenticeship	01/13	Apprenticeship	Lineman

Other Technical Certifications or Licenses Held

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Name of Program

Parkland Light and Water JATC

Committee Representative Name
Susan Cutrell

Committee Representative Signature

☒ Employer Representative ☐ Employee Representative (Does not have the authority to hire or fire)

Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
General Mgr.	Parkland Light & Water	10/15	current
CFO/Office Mgr	Parkland Light & Water	06/08	10/15
Controller	Parkland Light & Water	10/06	06/08
Admin Asst	Parkland Light & Water	07/01	10/06

Education History

Name of Training and/or School (most recent first)	Completed Date (mm/yy)	Program of Study	Degree or Certification
Pacific Lutheran University	06/11	Masters Business Admin.	MBA
City University of Seattle	06/08	Bachelor of Science	BA
Pierce College	06/01	Associates of Science	AS

Other Technical Certifications or Licenses Held

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**Apprenticeship Committee
Representative Qualifications**

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Name of Program
Parkland Light and Water Company JATC

Committee Representative Name
Matt Cline

Committee Representative Signature

☐ Employer Representative ☒ Employee Representative (*Does not have the authority to hire or fire*)

Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
Crew Foreman	Parkland Light and water	11/2015	present
Lineman	Parkland Light and water	6/2011	11/2015
Apprentice	Parkland Light and water	1/2008	6/2011

Education History

Name of Training and/or School (most recent first)	Completed Date (mm/yy)	Program of Study	Degree or Certification
Parkland Light and water Jatc	6/2011	Apprenticeship	Lineman

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**Apprenticeship Committee
Representative Qualifications**

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Name of Program
Parkland Light & Water Company JATC

Committee Representative Name
Dale Butcher

Committee Representative Signature

☒ Employer Representative ☐ Employee Representative (Does not have the authority to hire or fire)

Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
Superintendent	Parkland Light & Water	11/15	Current
Foreman	Parkland Light & Water	9/05	11/15
Lineman	Parkland Light & Water	4/99	9/05
Lineman	Construction LU 125	1/98	4/99

Education History

Name of Training and/or School (most recent first)	Completed Date (mm/yy)	Program of Study	Degree or Certification
JATC LU125 Line Apprenticeship	1/98	Apprenticeship	Lineman

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Name of Program
Parkland Light and Water Company JATC

Committee Representative Name
Adam Brinkman

Committee Representative Signature

☐ Employer Representative ☒ Employee Representative (Does not have the authority to hire or fire)

Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
Asst Bus Mgr	IBEW 483	01/23	current
Lineman	Tacoma Power	09/22	01/23
Lineman	Parkland Light and Water	07/22	09/22
Lineman	Tacoma Power	08/08	07/22

Education History

Name of Training and/or School (most recent first)	Completed Date (mm/yy)	Program of Study	Degree or Certification
Tacoma Power Line Apprenticeship	01/13	Apprenticeship	Lineman

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Teri Gardner 3-6-23
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Apprenticeship Committee Representative Qualifications

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Name of Program
Parkland Light and Water Company JATC

Committee Representative Name
Matt Cline

Committee Representative Signature
[Signature]

☐ Employer Representative ☒ Employee Representative (Does not have the authority to hire or fire)

Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
Crew Foreman	Parkland Light and water	11/2015	present
Lineman	Parkland Light and water	6/2011	11/2015
Apprentice	Parkland Light and water	1/2008	6/2011

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Parkland Light and water Jatc	6/2011	Apprenticeship	Lineman

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Name of Program

Parkland Light and Water JATC

Committee Representative Name
Susan CutrellCommittee Representative Signature
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Work Experience

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General Mgr.	Parkland Light & Water	10/15	current
CFO/Office Mgr	Parkland Light & Water	06/08	10/15
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Committee Representative Name
Matt Cline

Committee Representative Signature

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Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
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Lineman	Parkland Light and water	6/2011	11/2015
Apprentice	Parkland Light and water	1/2008	6/2011

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Name of Training and/or School (most recent first)	Completed Date (mm/yy)	Program of Study	Degree or Certification
Parkland Light and water Jatc	6/2011	Apprenticeship	Lineman

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Name of Program
Parkland Light & Water Company JATC

Committee Representative Name
Dale Butcher

Committee Representative Signature

☒ Employer Representative ☐ Employee Representative (Does not have the authority to hire or fire)

Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
Superintendent	Parkland Light & Water	11/15	Current
Foreman	Parkland Light & Water	9/05	11/15
Lineman	Parkland Light & Water	4/99	9/05
Lineman	Construction LU 125	1/98	4/99

Education History

Name of Training and/or School (most recent first)	Completed Date (mm/yy)	Program of Study	Degree or Certification
JATC LU125 Line Apprenticeship	1/98	Apprenticeship	Lineman

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Name of Program
Parkland Light and Water Company JATC

Committee Representative Name
Adam Brinkman

Committee Representative Signature

☐ Employer Representative ☒ Employee Representative (Does not have the authority to hire or fire)

Work Experience

Position (most recent first)	Employer / Organization	From (mm/yy)	To (mm/yy)
Asst Bus Mgr	IBEW 483	01/23	current
Lineman	Tacoma Power	09/22	01/23
Lineman	Parkland Light and Water	07/22	09/22
Lineman	Tacoma Power	08/08	07/22

Education History

Name of Training and/or School (most recent first)	Completed Date (mm/yy)	Program of Study	Degree or Certification
Tacoma Power Line Apprenticeship	01/13	Apprenticeship	Lineman

Other Technical Certifications or Licenses Held

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Rec 3/2/2023 <i>AN</i>	<i>Teri Gardner 3-6-23</i>
L&I Apprenticeship Consultant	L&I Admin

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Olympia WA 98504-4530



Apprenticeship Related/Supplemental Instruction (RSI) Plan Review


Program Name Parkland Light and Water Company JATC	
Occupation Lineman	
Term/OJT Hours 7000	Total RSI Hours 504
Training Provider Tacoma Power (Tacoma Public Utilities)	

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

<input type="checkbox"/> Chair	Date <u>3/2/2023</u>	<input type="checkbox"/> Secretary	Date
<input checked="" type="checkbox"/> Authorized Signer			
Print Name: Dale Butcher		Print Name:	
Signature: 		Signature:	

Training Provider Signature

Approved By (Print Name): Sheryl Brown	Title: Training and Apprenticeship Manager, Tacoma Power
Signature of the Training Provider: 	
Date: 03/02/2023	

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

SBCTC

Print Name:	Title:
Signature of the Program Administrator:	
Date:	
<input type="checkbox"/> SBCTC recommends approval	<input type="checkbox"/> SBCTC recommends return to sponsor

Program Name Parkland Light and Water Company JATC	Occupational Objective Lineman
---	-----------------------------------

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: Year 1 – Lesson 1: Orientation	Planned Hours: 4
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Rights and Responsibilities of Apprentices b. Class Rules c. Outline of Curriculum d. Computer Orientation (tracking monthly work records and class exams)	

Element/Course: Year 1 – Lesson 2: National Electrical Course for Apprentice Line Electricians (First Year)	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Course consists of 72 lessons, 6 unit examinations, 1 final examination.	

Element/Course: Year 1 – Lesson 3: Electrical Worker's Safety Rules for the State of Washington	Planned Hours: 16
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Detailed study of safety rules not covered by National Electrical Course.	

Element/Course: Year 1 – Lesson 4: Rigging, Ropes, Knots, Splices	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Commonly used knots b. Splices: eye, back, yacht braid c. Rigging: 1. Use and application of handline, hoists, grips, block and tackle 2. Basic rigging methods: moving conductor, guy transfer, tying up a pole, boom suspended loads. Written and practical exams.	

Element/Course: Year 1 – Lesson 5: Basic Tool Identification and Use	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Hot line tools, presses, cutters	

Element/Course: Year 1 – Lesson 6: Material Make-up and Identification	Planned Hours: 4
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
a. Identify materials used for overhead line construction b. Identify commonly used components such as, cutouts, insulators, hotline clamps, lightning arrestors, etc.	

Element/Course: Year 1 – Lesson 7: System Operations	Planned Hours: 16
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Recognition of primary and secondary circuits, basics of backfeed, identification of all circuits on pole, basic understanding of transmission and distribution system. Tour ECC Building.	

Element/Course: Year 1 – Lesson 8: Pole Framing	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Basic understanding of the use and installation of poles, crossarm, guys, deadend devices, conductor sizes and types	

Element/Course: Year 1 – Lesson 9: Field Trip: Generation Facility	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
a. Site visit to generation facility on Cowlitz River.	

Element/Course: Year 1 – Lesson 10: Pole Climbing	Planned Hours: 24
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Body positioning b. Ascending/Descending c. Rotating d. Belting around Objects	

Element/Course: Year 1 – Lesson 11: Transformers	Planned Hours: 16
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course:	

<ul style="list-style-type: none"> a. Theory b. Construction c. Principles d. Three Phase Identification
--

Element/Course: Year 1 – Lesson 12: Service Work	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: <ul style="list-style-type: none"> a. Service Poles b. Bug Poles c. Single Phase Meter Sockets 	

Element/Course: Year 1 – Lesson 13: Troubleshooting	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: <ul style="list-style-type: none"> a. Beast of burden b. Pinpointer c. Thumper d. Phasing set e. Megger 	

Element/Course: Year 1 – Lesson 14: D.C. Theory	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: <ul style="list-style-type: none"> a. Olms law b. Kichhoff's law c. Series, parallel, and combo circuits 	

Element/Course: Year 1 – Lineworker Skill Series/AC Troubleshooting	Planned Hours: 16
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Northwest Public Power Association	
Description of element/course: Cover troubleshooting problems and what to look for in single-phase problems from wrong voltages, how they occur and how to fix. <ul style="list-style-type: none"> a. Review series parallel circuits b. Trouble shooting flow charts c. Ferro-resonance 	

Element/Course: Year 1 – Lineworker Skill Series AC Transformer Theory	Planned Hours: 16
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study	

Provided by: Northwest Public Power Association
Description of element/course: <ul style="list-style-type: none"> a. Electrical theory and hands on practice b. Manage and control the flow of alternating current in electrical distribution systems

Element/Course: Year 1 – Lineworker Skill Series/ AC Equipotential Grounding	Planned Hours: 16
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study	
Provided by: Northwest Public Power Association	
Description of element/course: <ul style="list-style-type: none"> a. Understanding the importance of protective bonding and grounding 	

Element/Course: Year 1 – Lineworker Skill Series/ Regulators & Capacitors	Planned Hours: 16
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study	
Provided by: Northwest Public Power Association	
Description of element/course: <ul style="list-style-type: none"> a. Understand the function purpose of regulators and capacitors b. Power factor calculations, induction regulators, & step regulators 	

Element/Course: Year 2 – Lesson 1: Orientation	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study	
Provided by: Tacoma Power	
Description of element/course: <ul style="list-style-type: none"> a. Rights and Responsibilities of Apprentices b. Class Rules c. Outline of Curriculum d. Weekly Safety Tailgate expectations 	

Element/Course: Year 2 – Lesson 2: National Electrical Course for Apprentice Line Electricians (Second Year).	Planned Hours: 32
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study	
Provided by: Tacoma Power	
Description of element/course: Course consists of 88 lessons, 6 unit examinations, 1 final examination, and several supplemental examinations.	

Element/Course: Year 2 – Lesson 3: Electrical Worker's Safety Rules for the State of Washington	Planned Hours: 4
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study	
Provided by: Tacoma Power	
Description of element/course: Detailed study of safety rules not covered by National Electrical Course.	

Element/Course: Year 2 – Lesson 4: Introduction to Transformers	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Common 3-phase bank hookups b. Customer voltage demand c. Secondary configuration	

Element/Course: Year 2 – Lesson 5: Secondary Metering	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Identification of Meters (self-contained vs.C.T.) b. Beast of Burden c. Pinpointer	

Element/Course: Year 2 – Lesson 6: Introduction to Live Line Maintenance (Pole Yard)	Planned Hours: 16
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Hot Sticks b. Rubber Glove Techniques c. Basic Transfer and Deadending of Line Conductors	

Element/Course: Year 2 – Lesson 7: Test Equipment	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Volt Meters b. Rotation Meter c. Phasing Set d. Continuity Tests	

Element/Course: Year 2 – Lesson 8: Transformer Theory and Connection	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Transformer Construction (continuation and refresher of First Year) b. Vectoring c. Single Phase Connections d. Three Phase Connections (Primary and Secondary) e. Banking or Paralleling Transformers	

f. Series Connections	
g. Parallel Connections	

Element/Course: Year 2 – Lesson 9: URD (Underground Residential Distribution)	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. TCL Specs b. Print Reading c. Switching and Clearing Procedures	

Element/Course: Year 2 – Lesson 10: Power System Simulator	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. 3 Phase Transformer Board b. Function and Identification of Protective Devices	

Element/Course: Year 2 – Lesson 11: ECC Building	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Substations b. Operations c. Training	

Element/Course: Year 2 – Lesson 12: Supplemental Exams	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. One Following Final Exam b. E.W.S.R. Exam c. Transformer Exams 1 - single phase 1 - multi phase d. URD Exam	

Element/Course: Year 3 – Lesson 1: Orientation	Planned Hours: 4
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Rights and Responsibilities of Apprentices	

b. Class Rules c. Outline of Curriculum d. Weekly Safety Tailgate expectations

Element/Course: Year 3 – Lesson 2: National Electrical Course for Apprentice Line Electricians (Third Year)	Planned Hours: 24
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Course consists of 90 lessons, 6 unit examinations and 1 final examination.	

Element/Course: Year 3 – Lesson 3: Green Book/WAC 45	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Electrical Worker's Safety Rules for the State of Washington: Detailed study of safety rules not covered by National Electrical Course.	

Element/Course: Year 3 – Lesson 4: Grounding	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Proper ground selection and application b. EPZ grounding/bonding c. Grounding scenarios and interactive work modeling	

Element/Course: Year 3 – Lesson 5: Rotation, Phasing and 3-Phase Power	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Rotation meter basics b. Proper use of phasing tools c. 3-phase system voltages	

Element/Course: Year 3 – Lesson 6: Basic Transformers/ Nameplates	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Identify name plate characteristics/information b. What can be gained by name plate information.	

Element/Course: Year 3 – Lesson 7: Red Book (Lock Out, Tag Out)	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Complete supplemental covering all aspects of Tacoma Power high voltage switching, tagging, lockout, and clearance procedures.	

Element/Course: Year 3 – Lesson 8: Voltage Control	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. System considerations b. Capacitors- Operation, Installation, Removal c. Regulators- Operation, Installation, Removal	

Element/Course: Year 3 – Lesson 9: 3-Phase Transformer Banking	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Connections, Construction, Hazards, Vectoring, Troubleshooting, Advanced Concepts	

Element/Course: Year 3 – Lesson 10: UG Systems – Primary & Secondary	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: a. Components and Functionality (cable/Switchgear) b. Testing, Troubleshooting, fault-finding, fixing	

Element/Course: Year 3 – Lesson 11: Circuit Protection	Planned Hours: 12
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: All aspects and operations of components below a. Circuit Breakers b. Line Reclosers c. Sectionalizers d. Fusing e. Arrestors f. Relays g. Coordination	

Element/Course: Year 3 – Lesson 12: High Voltage OH and UG Switching	Planned Hours: 32
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Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power
Description of element/course: a. Mapping, Print Reading, Symbol identification b. OH Switching and Troubleshooting c. UG Print reading d. UG switching and troubleshooting e. Switching rules and pitfalls f. Feeder tying g. Transmission switching

Element/Course: Year 3 – Lesson 13: 3 rd Year Field Trip	Planned Hours: 8
Mode of Instruction (check all that apply) <input checked="" type="checkbox"/> Classroom <input checked="" type="checkbox"/> Lab <input type="checkbox"/> Online <input type="checkbox"/> Self-Study Provided by: Tacoma Power	
Description of element/course: Site Visit to large wind/solar facility and major Hydro Electric site on the Columbia River	

Additional Training Providers (if necessary)

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