

**Memorandum**

To: Derek Glavich, Construction Technology Faculty Member, College of the Redwoods

CC: Kerry Mayer, Dean of Career Education, College of the Redwoods

From: Sara Phillips, Director, Far North Center of Excellence

Date: March 3, 2021

Re: Program Modification, LMI for College of the Redwoods, Construction Equipment Operation and Maintenance

Background

College of the Redwoods contacted COE regarding labor market information for consideration of a program offering of a 21-unit certificate of achievement in Construction Equipment Operation and Maintenance. The request comes in response to feedback from a community advisory committee. This program would complement the existing Construction Technology program.

This memo uses the Strong Workforce Program labor market information template (exhibit 1), developed by the Los Rios Community College District, to provide a summary of occupational demand and educational program supply. The findings below summarize the data analysis shown in exhibit 1.

Findings

- One community college in the Far North region (Butte) conferred an average of 29 certificates in TOP code 0947.30– Heavy Equipment Operation over the last 3 years (2017-18 through 2019-2020). Shasta College conferred an average of 47 certificates in TOP code 0116.00- Agriculture Power Equipment Technology, which trains for Agriculture Equipment Operation and Maintenance.¹
- There are 338 projected annual openings over the next five years in two related occupations: Operating Engineers and Other Construction Equipment Operators (SOC 47-2073) and Industrial Truck and Tractor Operators (SOC 53-7051).²
- In the Far North, median hourly wages for Operating Engineers and Other Construction Equipment Operators is \$25.96, which exceeds the Far North average hourly self-sufficiency wage of \$23.70 for one adult, one child. Median hourly wages for Industrial Truck and Tractor Operators is \$20.39, below the self-sufficiency wage for one adult, one child, but exceeding the self-sufficiency wage for one adult.³
- At the national level, the typical entry-level education requirement for both occupations is a high school diploma or equivalent. Both occupations typically require moderate or short-term on-the-job training.⁴

Please contact Sara Phillips, Director, Far North COE, for further information at sphillips@shastacollege.edu

¹ COE Supply Tables, California Community Colleges Chancellor's Office DataMart, and Integrated Postsecondary Education Data System (IPEDS).

² Emsi 2021.1; QCEW Employees, Non-QCEW Employees and Self-Employed.

³ <http://www.selfsufficiencystandard.org/California>

⁴ U.S. Department of Labor, Bureau of Labor Statistics, Educational attainment for workers 25 years and older by detailed occupation, 2019, <https://www.bls.gov/emp/tables/educational-attainment.htm>

