



Representative Tobias Read
*House Committee of Higher Education
Innovation and Workforce Development
900 Court St NE H-286
Salem, OR 97301*

February 26, 2015

Dear Chair Read and Members of the Committee,

This letter is written in strong support of HB 2728, which will establish the Oregon Talent Council. The Engineering and Technology Industry Council (ETIC), the Talent Council's predecessor, has provided funding to a consortium from Portland State University, Oregon State University and Oregon Institute of Technology whose aim has been to strengthen engineering education for students seeking careers in the electrical power industry.

This consortium, the Oregon Power Engineering Education Project, is developing courses and curriculum to address the workforce challenges faced by the industry. The workforce for the regional electric power industry, consisting of 150+ companies (list attached), is beginning to experience a major contraction while simultaneously experiencing escalating employee demand. These result from large-scale retirements paired with operational expansions due to renewable portfolio standards, updates to aging infrastructure, enlargement of regulatory compliance and increasing power requirements on the bulk electric grid. We detail these challenges in our ETIC Needs Statement for the Electric Power Industry.¹

Funding from ETIC has been critical to the success of the Consortium. The Consortium's efforts have provided opportunities for Oregon residents to develop the engineering knowledge and skills necessary to make positive impacts on the regional electric power industry. We look forward to continued support from the Oregon Talent Council.

Sincerely,

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[Electric Power Industry Needs Statement: http://former.ous.edu/sites/default/files/ETIC/ns_electric_power.pdf](http://former.ous.edu/sites/default/files/ETIC/ns_electric_power.pdf)

Companies of the Portland Power Pool

Engineering Consultancies

1. [Black & Veatch](#) (Lake Oswego, OR)
2. [Brown & Kyser](#) (Battleground, WA)
3. [The CADMUS Group](#) (Portland)
4. [Cascade Energy](#) (Portland)
5. [CH2M Hill](#) (Portland)
6. [Christenson Electric](#) (Portland)
7. [DMK KEMA](#) (Seattle, WA)
8. [DNV GL](#) (Portland; Corvallis, OR)
9. [Ecofys](#) (Corvallis, OR)
10. [Elcon](#) (Beaverton, OR)
11. [FirstPoint](#) (Portland)
12. [GE Energy](#) (Portland)
13. [Harris Group](#) (Portland)
14. [HDR](#) (Portland)
15. [IEC Corp](#) (Lake Oswego, OR)
16. [Jacobs Engineering Group](#) (Lake Oswego, OR)
17. [JHI Engineering](#) (Portland)
18. [Johnson Controls](#) (Milwaukie, OR)
19. [Leidos Engineering](#) (Portland)
20. [NAES](#) (Hillsboro, OR)
21. [Oregon Electric Group](#) (Portland)
22. [Pike Energy Solutions](#) (Portland)
23. [Portland Engineers](#) (Portland)
24. [POWER Engineers](#) (Portland; Vancouver, WA)
25. [RRC Energy](#) (Tualatin, OR)
26. [R&W Engineering](#) (Beaverton, OR)
27. [Siemens](#) (Portland; Beaverton, OR; Lake Oswego, OR)
28. [SKANSKA](#) (Portland)
29. [SSOE](#) (Hillsboro, OR)
30. [Stantec](#) (Beaverton, OR)
31. [Taurus Power & Controls](#) (Tualatin, OR)

Regional Utilities: Investor-Owned, Public, Municipal and Co-op

32. [PacifiCorp](#) (Portland, IOU) (regional OR PUDs)
33. [Portland General Electric](#) (Portland, IOU)
34. [Eugene Water & Electric Board](#) (Eugene, OR)
35. [Clark, Skamania, Cowlitz](#) (regional WA PUDs)
36. [Columbia River, Tillamook](#)
37. [Western Oregon, Hood River, Wasco](#) (regional OR electric cooperatives)
38. [Cascade Locks, Canby, McMinnville, Forrest Grove](#) (OR municipalities)

Power Equipment Manufacturers

39. [Advanced Energy](#) (Bend, OR)
40. [Cooper Bussman](#) (Tualatin, OR)
41. [Daimler Trucks](#) (Portland)
42. [Eaton](#) (Wilsonville, OR)
43. [eWind Solutions](#) (Beaverton, OR)
44. [HM3](#) (Gresham, OR)
45. [Leviton](#) (Tualatin, OR)
46. [Lucid Energy](#) (Portland)
47. [Okanite](#) (Tigard, OR)
48. [Optconnect](#) (Portland, OR)
49. [Peregrine Power](#) (Wilsonville, OR)
50. [Sanyo](#) (Salem, OR)
51. [Schneider Electric](#) (Portland; Salem, OR)
52. [Solar World](#) (Hillsboro, OR)
53. [United Street Car](#) (Clackamas, OR)
54. [Veris Industries](#) (Portland)
55. [Xzeres Wind](#) (Wilsonville, OR)
56. [Western Integrated Technologies](#) (Portland)

Energy Storage

- 57. [Applied Exergy](#) (Portland)
- 58. [Blue Earth Energy Power Solutions](#) (Wilsonville, OR)
- 59. [Energy Storage Systems](#) (Portland)
- 60. [Entek Membranes](#) (Lebanon, OR)
- 61. [OnTo-Technology](#) (Bend, OR)
- 62. [Pheu Logic](#) (Portland)
- 63. [Polaris Battery Labs](#) (Beaverton, OR)
- 64. [Powin Energy](#) (Tualatin, OR)

Controls & Smart Grid

- 65. [Dent Instruments](#) (Bend, OR)
- 66. [Elster Solutions](#) (Portland)
- 67. [EnergyRM](#) (Portland)
- 68. [EnerSol](#) (Portland)
- 69. [FirstPoint](#) (Beaverton, OR)
- 70. [Green Energy Corp](#) (Portland)
- 71. [IT Aire](#) (Portland)
- 72. [LSI Industries](#) (Beaverton, OR)
- 73. [Mohr Solutions Power](#) (Hillsboro, OR)
- 74. [NorthWrite](#) (Portland)
- 75. [Perpetua Power Source Technologies](#) (Corvallis, OR)
- 76. [Qualitrol](#) (Beaverton, OR)
- 77. [Quality Logic](#) (Portland)
- 78. [Smart Mocha](#) (Portland)
- 79. [Software Diligence Services](#) (Portland)
- 80. [Thetus Corporation](#) (Portland)

Green Building Services

- 81. [Ameresco](#) (Portland)
- 82. [Earth Advantage Institute](#) (Portland)
- 83. [Gerding Edlen](#) (Portland)
- 84. [Glumac](#) (Portland)
- 85. [Green Building Services](#) (Portland)
- 86. [Inspec, Inc.](#) (Portland)
- 87. [Interface Engineering](#) (Portland)
- 88. [Kennedy/Jenks](#) (Portland)
- 89. [PAE Consulting Engineers](#) (Portland)
- 90. [ZGF Architects](#) (Portland)

Energy Efficiency Technologies

- 91. [38Zeros](#) (Portland)
- 92. [Air Advice](#) (Portland)
- 93. [Building Energy](#) (Portland)
- 94. [CLEAResult](#) (Portland)
- 95. [Cascade Energy](#) (Portland)
- 96. [DECK Monitoring](#) (Portland)
- 97. [Ecova](#) (Portland)
- 98. [EnGen Technologies](#) (Beaverton, OR)
- 99. [EnviroLux](#) (Vancouver, WA)
- 100. [Hudnut Company](#) (Portland)
- 101. [Obvius](#) (Tualatin)
- 102. [Pacific Light Technologies](#) (Portland)
- 103. [PECI](#) (Portland)
- 104. [PercievIT](#) (Hood River, OR)
- 105. [REgenergy365](#) (Hillsboro, OR)

Transportation

- 106. [Archimoto](#) (Eugene, OR)
- 107. [Brammo](#) (Talent, OR)
- 108. [EV4](#) (Portland)
- 109. [KersTech](#) (Beaverton, OR)
- 110. [Lektro](#) (Warrenton, OR)
- 111. [Optimization Technologies, Inc.](#) (Portland)
- 112. [Rinehart Motors](#) (Wilsonville, OR)
- 113. [Ryno Motors](#) (Beaverton, OR)
- 114. [Shorepower](#) (Portland)

Large Industrial Power Consumers

- 115. [Intel](#) (Hillsboro, OR)
- 116. [EVRAS](#) (Portland)
- 117. [Kapstone Paper](#) (Longview, WA)
- 118. [Precision Castparts](#) (Portland)
- 119. [Port of Portland](#) (Portland)
- 120. [Weyerhaeuser](#) (Vancouver, WA)

Federal & Non-profit Entities

- 121. [Army Corp of Engineers, Portland District](#)
- 122. [BPA](#) (Portland; Vancouver, WA)
- 123. [Bonneville Environmental Foundation](#) (Portland)
- 124. [ColumbiaGrid](#) (Portland)
- 125. [EnergySec](#) (Clackamas, OR)
- 126. [Energy Trust of Oregon](#) (Portland)
- 127. [Northwest Power and Conservation Council](#) (Portland)
- 128. [Northwest Power Pool](#) (Portland)
- 129. [Pacific Northwest National Labs](#) (Portland; Richland, WA)
- 130. [Peak Reliability](#) (Vancouver, WA)
- 131. [Western Electric Coordinating Council](#) (Vancouver, WA)

Developers & Operators

- 132. [ESA](#) (Clackamas, OR)
- 133. [enXco](#) (Portland)
- 134. [Iberdrola Renewables](#) (Portland)
- 135. [EDP Renewables](#) (Portland)
- 136. [REpower](#) (Portland)
- 137. [RES Americas](#) (Portland)
- 138. [Suzlon Wind Energy](#) (Portland)
- 139. [Vestas Americas](#) (Portland)

Solar Designers & Installers

- 140. [Advanced Energy Systems](#) (Eugene, OR)
- 141. [Elemental Energy](#) (Portland)
- 142. [Imagine Energy](#) (Portland)
- 143. [Lite Solar](#) (Clackamas, OR)
- 144. [REC Solar](#) (Portland)
- 145. [Solar City](#) (Portland)
- 146. [Sunlight Solar Energy](#) (Bend, OR)
- 147. [Synchro Solar](#) (Portland)

Engineering Staff Management Firms

- 148. [ACS](#) (Vancouver, WA)
- 149. [Adecco](#) (Portland)
- 150. [Aerotek](#) (Portland)
- 151. [AppleOne](#) (Portland)
- 152. [CoreSource](#) (Portland)

- 153. [CRGT](#) (Portland)
- 154. [David Evans & Associates](#) (Portland)
- 155. [VanderHouwen & Associates](#) (Portland)
- 156. [Volt](#) (Portland)

Others

- 157. [Gore Electric](#) (Portland)
- 158. [McLaren Inc.](#) (Tualatin, OR)

- 159. [Underwriters Laboratories](#) (Camas, WA)