CTE Outcome Assessment Plan for degrees or certificates 2014-15 AAS **Renewable Energy Technology Degree**

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| 1. Outcome | 2. Criteria or Target | 3. Measurement Tool (course and assignment) | 4. When/how and by who analysis of assessment will be accomplished | 5. Assessment Results |
| Students who complete the AAS degree should be able to: | | | |  |
| 1. Qualify for employment in the renewable energy field as technicians. | 75% of students pass with a C or better | Spring  EET 273 – final performance assessment and labs | Summer RET Department | 78% with C or higher |
| 2. Service/repair renewable energy systems and assist engineers with the design of renewable systems by applying knowledge of electrical, electronics, mechanical, control systems and hydraulics/pneumatics concepts. | 75% of students pass with a C or better | Spring  EET 273 – final performance assessment & labs  ~~RET 122 – final performance assessment & labs~~ (not degree course) | Summer RET Department | 78% with C or higher |
| 3. Communicate effectively both at the individual level and within team settings. | 75% of students pass with a C or better | Spring  RET 223 – final performance assessment and labs | Summer RET Department | 100% with C or higher |
| 4. Understand the impact of renewable energy within the context of sustainability and apply sustainability concepts to their practice. | 75% of students pass with a C or better | Spring  RET 223 – final performance assessment and labs | Summer RET Department | 100% with C or higher |
| 5. Apply ethical and professional practice within the field of renewable energy. | 75% of students pass with a C or better | Spring  RET 223 – final performance assessment and labs | Summer RET Department | 100% with C or higher |
| 6. Achieve success in continuing their education toward completion of a four-year degree in engineering technology or engineering should that be their goal. | 75% of students pass with a C or better | Spring  EET 273 – final performance assessment and labs | Summer RET Department | 78% with C or higher |

Submitted by: Grace Windsheimer, Tom Lieurance Date: 10/2015