

January 25, 2019

19-081

APPLY TO THE HIGHER EDUCATION COORDINATING
COMMISSION FOR APPROVAL OF THE CATERPILLAR
ELECTRIC POWER – THINKBIG AAS FOR PORTLAND
COMMUNITY COLLEGE

PREPARED BY: Sally Earll, Curriculum Coordinator, Curriculum Support Services

FINANCIAL RESPONSIBILITY: Irene Giustini, Division Dean, Math, Aviation and Industrial Technology

APPROVED BY: Dr. Katy Ho, Vice President, Academic Affairs
Mark Mitsui, College President

REPORT: The proposed Electric Power Generation ThinkBig AAS prepares students for a position as a Caterpillar Electric Power Generation (EPG) technician. The ThinkBig EPG program is similar to the generic Electric Power Generation AAS currently approved at PCC: the difference is that the ThinkBig program focuses only on Caterpillar equipment, whereas the generic program covers equipment of other companies. The students in the ThinkBig EPG program have already secured employment at a Caterpillar dealership and have been chosen to attend the program at PCC. The PCC ThinkBig program supports four Caterpillar dealerships in seven western states. The curriculum of this 90-credit degree includes diesel motors, electrical theories, industrial blueprints and schematics, AC/DC motor principles, electric motors, engine fuel systems, hydraulic fundamentals, and electric power generation theories and principles. The Caterpillar Electric Power Generation ThinkBig AAS has been reviewed and approved by the Diesel and Dealer Service Advisory Committee.

RECOMMENDATION: That the College be authorized to submit an application to the Higher Education Coordinating Commission for the Caterpillar Electric Power Generation ThinkBig AAS for Portland Community College.