**Model-Guided Development of Advanced, Low Cost Anion-Exchange Membrane Fuel Cells**

A. Abstract

The research has focused on designing and testing anion-exchange membrane fuel

cells (AEMFCs). The results mentioned herein include a novel, milestone model of

AEMFC performance stability, and additional conclusions on anion-exchange

membranes' (AEM) behavior in realistic, CO2-containing air. These results have been

published in peer-reviewed papers – attached below as-is. The preparation of non-Pt

electrodes and their testing in fuel cells has not been published yet and is presented in

the following section.