

1135-K1-1018      **Carl Olimb\*** ([carl.olimb@augie.edu](mailto:carl.olimb@augie.edu)), 2001 Summit Ave., Sioux Falls, SD 57197. *Using math modeling to teach mathematics.*

Mathematical modeling provides the use of robust complexity of mathematics to solve real-world problems as well as an opportunity to discover mathematics. We developed scenarios of a power grid in hypothetical settings to demonstrate application of applied mathematical modeling; scenarios are robust and can be scaled from secondary to post-secondary education. (Received September 18, 2017)