Beam-Target Double Spin Asymmetry in $\vec{D}(\vec{e},e'p)n$ MICHAEL MAYER, Old Dominion University, CLAS COLLABORATION — Using the CLAS detector at Jefferson Lab, double spin asymmetries ($A_{||}$) for quasi-elastic electron scattering off the deuteron have been measured at several beam energies. The data were collected during the EG1 experiment, which scattered longitudinally polarized electrons from 1.6 to 5.8 GeV off a longitudinally polarized cryogenic ND$_3$ target. The double spin asymmetries were measured as a function of photon virtuality $Q^2$ (0.13-3.17 GeV), missing momentum (0.0-0.5 GeV), and the angle between the (inferred) “spectator” neutron and the momentum transfer direction ($\theta_{nq}$). The results from EG1b were compared with a recent model that includes final state interactions using a complete parameterization of nucleon-nucleon scattering. We will discuss our results for the double spin asymmetry and compare them to this model as well as a simplified model using the plane wave impulse approximation.