

Proposed Paper Outline

- Introduction
 - EEM often improve learning environment and can be regarded as a non-energy benefit of EE.
 - As part of deregulation Oregon created funding for EE in schools.
 - Funding only covers IOUs, which are urban oriented in OR
 - Remainder of the state is frequently electric cooperatives.
 - Oregon is perfect to test this because of both standardized tests and equalization of K12 funding in 1990s.
- Thesis: EEMs increase student performance as measured on the standardized state tests.
 - Controlling for: Prior class level performance on state exams, budgeted capital improvements, spending per student and other variables including poverty rates.
 - Techniques for control besides simple regression
 - * DID as a regression only technique
 - * CEM across per student budget elements and student demographics prior to EEM installation with EEM expenditures the left out factor.
 - * Regression Discontinuity for IOU/Non-ISO pairs of schools near a territory border.
- Literature
 - The effects of the indoor environment on performance as applied to K12
 - History of SB1149
 - History of Oregon K12 Education funding.
- Data
 - Funding overview
 - EEM installation overview
 - Standardized test overview
 - Community demographics overview
- Analysis
 - DID
 - CEM
- Summary and Conclusions