Distributing Pollution Rights in Cap-and-Trade Programs: Are Outcomes Independent of Allocation?

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Technical data appendix

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These data files and computer code can be used to replicate results reported in the paper. All data files are saved in stata format. All computer programs are stata do files.

Data files

allocation_vars.dta : This data file includes all of the facility-level information summarized in Table 1. This includes facility-specific allocation parameters, cycle assignments, industrial classifications, etc.

allocation_annual.dta: This data file contains annual RTC allocations by facility (actual and predicted).

table1_quarterly.dta: This data file contains facility-specific permit allocation parameters and quarterly RTC allocations by facility.

biannual_data.dta: This data file contains the biannual, facility-level data used in the estimation.

table4_quarterly.dta: This data file contains the quarterly data used to re-estimate equations (results reported in robustness section).

Do files

TABLE1.do: Required inputs : allocation_vars.dta and allocation_annual.dta

Generates results reported in Table 1 of the paper. Log files can be pasted into the corresponding worksheets of Table1.xls. This will help the interested reader map the many results generated by Table1.do into the table included in the paper.

TABLE_1B.do: Required inputs: table1_quarterly.dta.

Generates resulted in Panel C of Table 1. Log file can be pasted into Table1.xls.

TABLE_2_3.do: Required inputs: biannual_data.dta.

Program generates estimation results reported in tables 2, 3, 4.

TABLE_4_quarterly.do: Required inputs: table4_quarterly.dta.

Program generates estimation results reported in tables 4 (using quarterly versus biannual data).