

APPENDIX

Table A1. Summary statistics

		Mean	Std. Dev.	Min	Max
AR (# of grants =17)	Annual Violations per facility	6	10	0	120
	Daily Water Flow [Mgal/Year]	374	2353	1	69446
	CWSRF Size [10^6 \$ per year per facility]	16.9	32.9	0.35	140
AZ (# of grants = 4)	Annual Violations per facility	7	10	0	49
	Daily Water Flow [Mgal/Year]	115	175	3	741
	CWSRF Size [10^6 \$ per year per facility]	1.5	1.5	0.035	3.233
CA (# of grants =112)	Annual Violations per facility	2	5	0	26
	Daily Water Flow [Mgal/Year]	5820	12620	50	56856
	CWSRF Size [10^6 \$ per year per facility]	33.5	80	0.5	600
IN (# of grants =111)	Annual Violations per facility	3	7	0	45
	Daily Water Flow [Mgal/Year]	2455	4793	2	38261
	CWSRF Size [10^6 \$ per year per facility]	9.96	18.5	0.227	139
NE (# of grants =87)	Annual Violations per facility	5	12	0	63
	Daily Water Flow [Mgal/Year]	971	2861	2	21416
	CWSRF Size [10^6 \$ per year per facility]	4.09	7	0.1	40
OK (# of grants =73)	Annual Violations per facility	9	10	0	46
	Daily Water Flow [Mgal/Year]	1042	2044	7	16190
	CWSRF Size [10^6 \$ per year per facility]	5.7	7.6	0.2	39.9
TX (# of grants =109)	Annual Violations per facility	4	7	0	39
	Daily Water Flow [Mgal/Year]	4572	12336	10	57074
	CWSRF Size [10^6 \$ per year per facility]	8.3	15	0.2	107
WV (# of grants =98)	Annual Violations per facility	15	26	0	166
	Daily Water Flow [Mgal/Year]	371	2293	2	21554
	CWSRF Size [10^6 \$ per year per facility]	3.4	5.3	0.007	26.5
Other States	Annual Violations per facility	2.02547	7.15493	0	246
	Daily Water Flow [Mgal/Year]	1168	16683	1	1353815

Table A2. Poisson and logit difference models for pre-funding violations

VARIABLES	Pre funding violations			
	Panel-Poisson		Panel-Logit	
	Model 1	Model 2	Model 3	Model 4
Fund t+1	0.486*** (0.0959)	0.426*** (0.0911)	0.804*** (0.185)	0.682*** (0.182)
Fund t+2	0.427*** (0.0972)	0.379*** (0.0927)	0.753*** (0.209)	0.682*** (0.206)
Fund t+3	0.462*** (0.0991)	0.379*** (0.0952)	0.909*** (0.241)	0.684*** (0.241)
Water Flow		-1.65E-06 (2.60E-06)		9.25E-06 (1.10E-05)
Rep. Fund t-1		0.139*** (0.04)		0.139*** (0.039)
Rep. Fund t-2		0.008 (0.06)		0.008 (0.05)
Per C Income		4.15e-06*** (1.60E-06)		-2.19e-05*** (4.26E-06)
Year Fixed Effect	Yes	Yes	Yes	Yes
State Fixed Effect	Yes	Yes	Yes	Yes
Observations	22,012	20,243	22,012	20,243
Number of Facilities	3,059	3,045	3,059	3,045

Table A3. Marginal effect at means from panel Poisson models 4 in Tables 5 and 6

Variable	Model 4 (Table 5) Award	Model 4 (Table 6) Award size
Only Fund Lag1	.0766411 (.05)	
Only Fund Lag2	-.139** (.05)	
Rep. Fund Lag1	.0609 (.04)	
Rep. Fun Lag2	-.209*** (.05)	
Only Fund Lag1* CWSRF Lag1		6.78e-09 (8.53e-09)
Only Fund Lag2* CWSRF Lag2		-2.61e-08 *** (5.53e-09)
Repeated Lag1* CWSRF Lag1		-1.93e-10 (3.86e-09)
Repeated Lag2* CWSRF Lag2		-1.16e-10 (3.86e-09)
Inspection lag1	-.005*** (.003)	-.005*** (0.001)
Year FE	Yes	Yes
State FE	Yes	Yes
Observations	17470	17470
No. of Facilities	2,538	2,538
Controls	Yes	Yes