

Table 4-6 Estimated Incremental PM_{2.5} and Ozone-Related Premature Deaths and Illnesses in 2030*

		No CPP	2% HRI at \$50/kW	4.5% HRI at \$50/kW	4.5% HRI at \$100/kW
Avoided premature death among adults					
PM _{2.5}	Krewski <i>et al.</i> (2009)	470 (320 to 630)	410 (280 to 550)	410 (280 to 550)	350 (240 to 470)
	Lepeule <i>et al.</i> (2012)	1,100 (540 to 1,600)	940 (470 to 1,400)	940 (470 to 1,400)	800 (400 to 1,200)
Ozone	Smith <i>et al.</i> (2009)	24 (12 to 36)	38 (19 to 57)	16 (8 to 25)	12 (6 to 18)
	Jerrett <i>et al.</i> (2009)	86 (29 to 140)	140 (47 to 230)	59 (20 to 98)	43 (14 to 71)
PM_{2.5}- related non-fatal heart attacks among adults					
	Peters <i>et al.</i> (2001)	490 (120 to 860)	430 (100 to 750)	430 (110 to 760)	360 (89 to 640)
	Pooled estimate	53 (20 to 140)	46 (17 to 120)	47 (17 to 120)	39 (15 to 110)
All other morbidity effects					
	Hospital admissions— cardiovascular (PM _{2.5})	120 (53 to 230)	110 (46 to 200)	110 (47 to 200)	91 (40 to 170)
	Hospital admissions— respiratory (PM _{2.5} & O ₃)	130 (210 to 250)	110 (26 to 210)	140 (35 to 280)	87 (24 to 170)
	ED visits for asthma (PM _{2.5} & O ₃)	250 (-50 to 620)	210 (-37 to 530)	280 (-51 to 690)	170 (-34 to 410)
	Exacerbated asthma (PM _{2.5} & O ₃)	44,000 (-31,000 to 110,000)	40,000 (-29,000 to 96,000)	48,000 (-34,000 to 120,000)	29,000 (-20,000 to 69,000)
	Minor restricted-activity days (PM _{2.5} & O ₃)	290,000 (200,000 to 370,000)	230,000 (160,000 to 310,000)	300,000 (210,000 to 390,000)	190,000 (140,000 to 250,000)
	Acute bronchitis (PM _{2.5})	570 (-130 to 1,300)	500 (-120 to 1,100)	500 (-120 to 1,100)	420 (-99 to 940)
	Upper resp. symptoms (PM _{2.5})	10,000 (1,900 to 19,000)	9,000 (1,600 to 16,000)	9,000 (1,600 to 16,000)	7,700 (1,400 to 14,000)
	Lower resp. symptoms (PM _{2.5})	7,200 (2,800 to 12,000)	6,300 (2,400 to 10,000)	6,300 (2,400 to 10,000)	5,400 (2,000 to 8,700)
	Lost work days (PM _{2.5})	48,000 (40,000 to 55,000)	42,000 (35,000 to 48,000)	42,000 (35,000 to 48,000)	35,000 (30,000 to 41,000)
	School absence days (O ₃)	31,000 (11,000 to 71,000)	60,000 (22,000 to 140,000)	21,000 (7,700 to 48,000)	16,000 (5,600 to 35,000)

* Values rounded to two significant figures