

# Midwest Generation

## A Strong Track Record of Emissions Reductions: Past, Present and Future

Emissions at Midwest Generations' Fisk and Crawford plants are down and air quality is improving in Chicago. Midwest Generation purchased the plants in 1999 and immediately began investing heavily in new pollution controls. Air quality in Chicago has improved steadily during that time.

Midwest Generation was one of the first power producers in the U.S. to install mercury emission controls, resulting in emissions reductions of over 80%. Also, in 2011 we will complete work that will reduce nitrogen oxide emissions of the two plants combined by 70% below 1999 levels. We reduced sulfur dioxide emissions by 30% since 1999.

We are in compliance with the rules and regulations set forth by the governmental bodies legally charged with regulating power plant emissions – the U.S. EPA and the State of Illinois. ➡ We worked with the State of Illinois – and solicited feedback from the city – on an aggressive emissions-reductions timetable to reduce emissions through 2018. Also, we're fully compliant with the Federal Clean Air Act. Knowing that the development, testing and implementation of these new emissions-reducing technologies is a years-long process, we're on track to meet these deadlines.

The two Chicago plants provide nearly 200 union jobs onsite, plus hundreds of additional jobs for members of trade unions who work on special projects in the plants, such as installation of pollution controls. The two plants produce enough electricity to power a million homes annually, and are vital to the reliability of the city's energy supply. We are proud of the environmental improvements already completed, and are already working on the next wave of improvements.

**1999** Midwest Generation purchased Fisk and Crawford stations

**2001** Midwest Generation reduced Sulfur dioxide (SO<sub>2</sub>) by 30% through purchase of higher premium coal

**2001** Installed new technologies at Crawford and reduced nitrogen oxide (NO<sub>x</sub>) by 20% overall in the city

**2003** Installed new technologies at Fisk and reduced emissions of NO<sub>x</sub> by 60% overall since 1999

➡ **2006** Midwest Generation negotiated long-term environmental agreement with Illinois EPA

**2007** New Illinois EPA rules adopted by General Assembly

**2015** Additional SO<sub>2</sub> reductions due at Fisk under agreement with Illinois EPA

**2017** Additional SO<sub>2</sub> reductions due at Crawford Unit 8 under agreement with Illinois EPA

**2018** Additional SO<sub>2</sub> reductions due at Crawford Unit 7 under agreement with Illinois EPA

1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

**2005** Midwest Generation won U.S. Department of Energy awards grant to test technology to reduce emissions

**2006** Midwest Generation ran successful test of mercury-removal technology at Crawford

**2007** Midwest Generation permanently installed mercury removal technology at Fisk and Crawford

**2008** Reduced mercury emissions by 80% by installing new technology

**2010** Midwest Generation to begin preliminary work to install additional controls to further reduce NO<sub>x</sub> emissions

**2011** Expect new NO<sub>x</sub> control installations to be completed

**2012** Expect new technologies to reduce overall NO<sub>x</sub> emissions in the city by 70% from 1999 levels