

# USA: EPA (US Environmental Protection Agency) certified AIRCOSAVER multi-location test with DOMINOS Pizza

## Background

Each US state has an organization that answers to the EPA and certifies EPA compliance. They are also usually tied to a state university.

In Texas, it is the Texas Commission on Environmental Quality. (TCEQ) and the University of Texas. If you want to find this report on the internet, the address is

<http://www.zerowastenetwork.org/success/story.cfm?StoryID=1024&ReginalCenter=>

Once you have pulled it up, go to the home button in the top left corner and click on "about us". This will explain the affiliation with the EPA.

## Summary of EPA data logging results:

SOURCE: EPA Power Profiler

Pre Airco Saver Install

Total Purchased kWhs from Utility	Production of: (# /Yr.)		
	SO2	CO2 x 1,000	NOx
4,004,928	12,015	5,639	8,811

Post Airco Saver Install

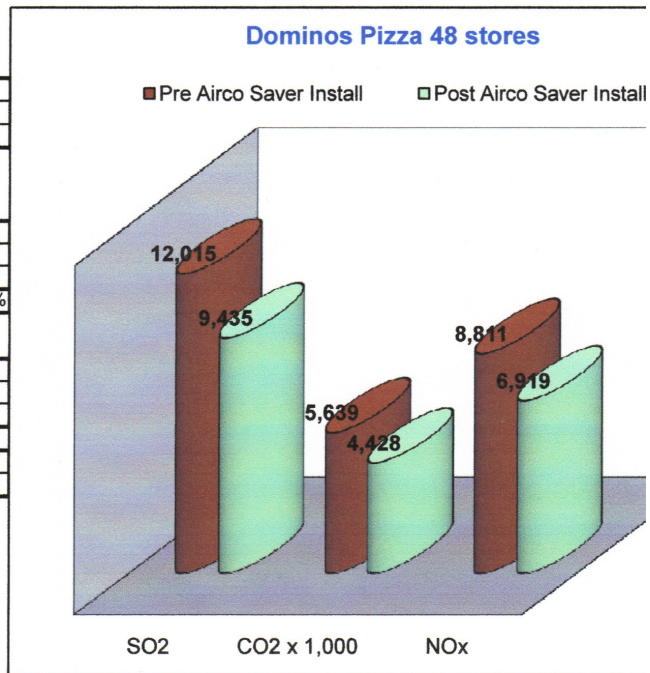
Reduced kWhs from Utility	Reduction of: (# /Yr.)		
	SO2	CO2 x 1,000	NOx
859,968	2,580	1,211	1,892
% Savings	21.5%	21.5%	21.5%

New Production of: (# /Yr.)		
SO2	CO2 x 1,000	NOx
9,435	4,428	6,919

Cars eliminated per year	=	105.7
Acres of trees required to absorb CO2	=	89.7

North Texas Sources of Power Generation:

Coal & Lignite	35%
Natural Gas	51%
Nuclear	12%
Renewables	1%
Other Fossil Fuels	1%



**Copy of Case Study from Texas Commission on Environmental Quality.  
(TCEQ):**

**Case Study Database**

[Add Story](#) | [Search Case Studies](#) |

***Domino's Pizza***

**Year Submitted:** 2009

**Process:** Reduction of electricity generation through installations of the Airco Saver® HVAC efficiency product

**Industry:** Restaurant

**Wastes Reduced:** CO2, SO2, NOx

**Location:** San Antonio TX

**No. of employees:** 480

**Contact:** Mike Bernal, Director of Operations

**Phone:** 210-651-6663

**Description:**

Domino's and its franchisees such as our firm have been "Green Minded" for many years and we feel it is our responsibility to be good stewards of the environment and reduce pollution as well as saving on electric costs while doing so. We choose to do our part to reduce pollutants through reduced energy usage. It is essential that all businesses prove to their shareholders that the bottom line will be increased by energy efficiency with documentable improvements to the environment.

This case study is for South Texas Pizza Inc, doing business as Domino's.

**P2 Application:**

The annual reduction from 48 of our stores of 1,211,000 pounds of CO2, 2,580 pounds of SO2 and 1,892 pounds of NOx (source EPA Power Profiler attached) is a direct result of the installation of an HVAC controller on each Domino's facility air conditioner. The controller is simply installed in a matter of minutes on air conditioning systems and immediate energy reductions are realized. Which in our case is in excess of twenty one percent (21%) for an annual savings of \$156,863. The return on investment of the projects is under one (1) year. This is phase one of a

140+ store project.

- **Total Cost Savings:** \$156,863.00
- Comments: The extrapolated seven (7) year annual savings based on a realistic \$.14 per kWh without factoring in future rate increases is \$1,098,041. A total of 8,477,000 pounds of CO<sub>2</sub>, 18,060 pounds of SO<sub>2</sub> and 13,244 pounds of NO<sub>x</sub> pollutants will be removed from our atmosphere. South Texas Pizza Inc DBA Dominos is proud to do its part to clean up the environment.

### **Details of Reductions**

- 1,211,000.0 - lbs of CO<sub>2</sub>  
Comments: The unit is pounds per year. Total annual savings for CO<sub>2</sub>, SO<sub>2</sub>, and NO<sub>x</sub> combined = \$156,863.00
- 2,580.0 - lbs of SO<sub>2</sub>  
Comments: The unit is pounds per year. Total annual savings for CO<sub>2</sub>, SO<sub>2</sub>, and NO<sub>x</sub> combined = \$156,863.00
- 1,892.0 - Pounds/year of NO<sub>x</sub>  
Comments: total savings with CO<sub>2</sub>, SO<sub>2</sub>, and NO<sub>x</sub> reductions = \$156,863.00

### **Additional Information :**

The energy savings reports were initially provided to us after extensive certified data logging was completed. The monetary savings are backed up by the monthly billings.

Source: [TCEQ](http://www.tceq.state.tx.us/) , <http://www.tceq.state.tx.us/>

---