

For All The Right Reasons,



Case Study:

"The Silver Lining After A Flood" Homer Glen, Illinois

Four Seasons Heating, A/C & Plumbing
May 2013



CLIENT INFORMATION

Client Name: Gary K. Caldwell

Project Location: Homer Glen, Illinois

Project Duration: 2 days

<http://www.fourseasonsheatingcooling.com/>



THE PROJECT TEAM

Project Manager: Eric Kranig **Lead Installer:** Joe Shotts

Installation Specialists: Brian Frietag, Ruben Gonzalez, and Aaron Okon.

PROJECT SCOPE

BEFORE

2X 80% AFUE
Damaged Carrier Furnaces

2X 10 SEER
Air Conditioners

AFTER



SLP 98V
Furnace
98% Efficiency



EL296
Furnace
96% Efficiency



XC13
Conditioner
15 SEER AHRI Matchup

RESULTS

Heating Cost Reduction Cooling Cost Reduction
~17.1% + **21%**
Per Month Per Month

= \$7404
In Savings for 5 Years



WB2-12
Humidifier



HCC10
Air Cleaner



iComfort
Wi-Fi Thermostat

In the Aftermath of the Storm

In April 2013, Chicagoland experienced nearly 48 hours of straight rainfall totalling over 7 inches in many areas. Roads everywhere were closed due to flooding, and the phones over at Four Seasons were ringing off the hook with customers seeking aid for their flooded basements.

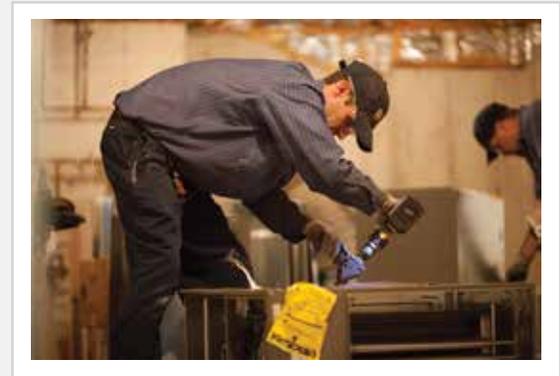
One of the distressed customers was Mr. Gary Caldwell. His basement flooded with over six inches of water that week, ruining his carpeting, tile, and some furniture. His first move was to contact Four Seasons Home Services. Our restoration and remodeling teams were forced to remove the lowest two feet of drywall from the entire room and take further measures to prevent mold growth. The damage was severe, but with the skill of the restoration crew and Mr. Caldwell's quick response, the potential mold problem had been solved before a colony developed.



Matters only became worse with the news that Mr. Caldwell's two furnaces also acquired flood damage. It is the professional recommendation of Four Seasons that anyone with a flooded basement should have their furnaces inspected by a qualified professional. The water damage can corrode the gas valve from the inside out, and this could quickly cause a leak if not rectified. When Mr. Caldwell contacted Four Seasons, the technicians discovered that his two furnaces did indeed suffer from flood damage and would need to be replaced.

Finding the Silver Lining

Rather than seeing this terrible occurrence as no more than that, Mr. Caldwell saw an opportunity to vastly increase the energy efficiency of his home. His furnaces and air conditioners, though up until recently had been in fine working condition, were growing old and inefficient. By upgrading to some of the best HVAC equipment on the market, Mr. Caldwell has drastically reduced his energy bills, and, with the addition of air purifiers and humidifiers, created a more comfortable environment in his home.



Even though my old systems worked, I still found hot and cold spots on the second floor of my house. Joe explained to me that whoever installed the initial units were careless with the ductwork and hot and cold air was being trapped in these dead-space areas of the ducts. Joe was sure to fix the problem that day, and now those hot and cold spots are nowhere to be found.

-- Gary Caldwell

Mission Accomplished



By the end of the day, the two furnaces, air cleaners, humidifiers, and air conditioners as well as the Wifi thermostats were all installed correctly and fully operational. By the time the Four Seasons trucks were pulling away, Mr. Caldwell shared with us his thoughts on the disaster and the subsequent installation.

“ When the rains came and took away my basement, I can't tell you how stressed, exhausted, and defeated I felt, and the news that my furnaces were flooded only exacerbated things. But, thanks to Four Seasons, I now have the system I should have installed 15 years ago. High efficiency, high performance units installed by a company that truly wanted to help me out... All in all, not a bad couple weeks.

-- Gary Caldwell

Photo Gallery



Before

Mr. Caldwell's Old Air Conditioning Units



After

Mr. Caldwell's New Air Conditioning Units



Before

Mr. Caldwell's Old Furnace Units



After

Mr. Caldwell's New Furnace Units



Mr. Caldwell's New Humidifiers



Mr. Caldwell's New Air Purification Systems



Before

Mr. Caldwell's Old Thermostat



After

Mr. Caldwell's New Wi-Fi iComfort Thermostat

Set your thermostat from your computer, tablet, or smartphone

Moral of the Story

Flash floods and unexpected breakdowns could happen to anyone. Rather than lamenting the unexpected loss, look at the situation as an opportunity for improvement! New HVAC equipment will always be more efficient than the units of yesteryear. By capitalizing on the hand you're dealt, you can lower energy bills and come out ahead in the long run.