

Walking the Home Performance Talk

Homeowners: Ed Thomas (UEF) and Tiger Adolf (BPI)
 General Contractor: David Price (Synergy)

The Home

- Built in 2000
- Foreclosure: Vacant for 2 Years
- 2-story stucco with 4 bedrooms with 3 baths and 2-car garage, slab on grade
- 2,779 square feet conditioned space
- Occupied by 2 adults who travel frequently for business
- \$165 a month in average, combined electric and gas utility bills (totally annually almost \$1,473 in electricity and almost \$506 in gas)
- Flipper Upgrades: Sod, Paint, Flooring



The Findings (Test-in)

- Poor insulation (averaged R-9, R-0 over master bedroom; flue blocking nonexistent)
- Ducts undersized, under-insulated (R-4)
- High Duct Leakage (46% Up, 57% down)
- Dual 80% Furnaces, 9.7 SEER AC (single-speed motors)
- Poorly constructed panned-in ducts downstairs
- Disconnected water heater flue near master bedroom
- Furnace near master bedroom failed CAZ test
- Infiltration, 2,555 CFM50 (0.26 ACHn) (fairly tight)
- Mixed can lights and bulbs



The Project – Completed 2/8/13

- Increase insulation to R-49, insulate and gasket attic hatches
- Upgrade bath fans, install laundry Whisper Green humidistat
- Replaced 20 can lights with sealed, dimmable LED fixtures (not included in modeled energy savings)
- HVAC: Trane 97% sealed combustion modulating furnace; 16 SEER AC with ECM motor; internet enabled t-stat
- Replace duct with Rigid flex R-12, deep buried; seal all ductwork (<5% up; 12% down)
- Rheem 94% condensing tankless water heater with D'Mand recirculating pump and thermostat shower valve
- Enroll in PG&E Smart AC Program
- Modeled Energy Savings: 32.57% savings (not counting LED lights)
- \$3,000 Rebate; Project Cost (for rebate purposes) \$26,505



The Open House

- Earth Day: April 20, 2013 – 10:00 a.m. to 2:00 p.m.
- Synergy delivered fliers to every home in neighborhood
- Ed and Tiger announced and invited two neighborhood chat groups
- About 30 people attended
- “Workshops” in garage, kitchen, and laundry room
- Special offers for attendees
- Project photos rotating on big screen TV
- Scheduled one audit on the spot (across the street)
- Prepared with financing options/discussion
- Energy Upgrade California collateral handed out
- Results: We hear our bills are less than 1/3 of our neighbors

Energy Savings Open House
 www.synergycompanies.org/news/home-energy-upgrade-open-house/

Dear Friends & Neighbors,
 We cordially invite you to an Energy Savings open house at the home of Tiger Adolf and Ed Thomas. Tiger and Ed are recognized as home energy experts nationwide with utility companies and home energy installation contractors. Last June, they purchased a home in the Hiddenbrook community and recently completed extensive energy savings upgrades to demonstrate that they can not only “talk the talk” but also “walk the walk.” They are excited to share their success with you and let you see firsthand what they have accomplished.
 Come explore what the possibilities may be for your home. You can likely reduce your energy consumption and utility bills and increase your level of comfort.

When: 10:00 a.m. to 2:00 p.m.
 This Saturday, April 20th
 Where: 2065 Bennington Dr.
 Vallejo, CA 94591

Rebate Approval Notification

Company Information:
 SYNERGY COMPANIES
 9436 SATELLITE STREET
 AYVAJO, CA 94545

Dear Contractor,
 The job listed below met all of the program requirements and is eligible for a rebate of \$3,000.00. Please use the rebate check within 6-8 weeks and mail the job number to:

Rebate Recipients Name: THOMAS ADOLF
 Property Address of Upgrade Project: 2065 BENNINGTON DRIVE VALLEJO CA, 94591
 Final Paid Rebate Amount: \$3,000.00
 Modeled Energy Savings: 32.57%
 Age of Building (built): 2000
 Final Project Cost: \$26505.00
 Date of Approval: 03/14/2013 09:18 AM

Total Bills (\$)

Date	Total Bills (\$)
6/27/2012	140
7/27/2012	160
8/27/2012	180
9/26/2012	100
10/25/2012	140
11/21/2012	160
12/17/2012	180
1/28/2013	100
2/27/2013	140
3/28/2013	160
4/28/2013	100

<http://www.synergycompanies.org/news/home-energy-upgrade-open-house/>