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## IE FRONT

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Il have small ns with real esh as Ben Brewer, e Downtown Allimann, vice presi-tudy; Bob Leo-of the San Antoaltors; Michael nt of the Greater uilders Association; nder, owner of development

sts \$40 for memor nonmembers mation, visit om or call (210)

- Creighton A. Welch

### help class July

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kshops will be held he city. nformation, call

— Aïssatou Sidimė

# tate Blog

ddicted to HGTV? eal date include the latest open ne tour? Is the Real n the first part of the um to on weekends? out the launch of the ate blog, Nest Fest, it covers real estate San Antonio, on the ection at MySA.com



Though it might look like a regular house, Doug Littlefield's home, built by green builder Imagine Homes, has an average electricity bill of \$100 per month.



The geothermal system Wayne Thomas had installed cost him about \$25,000, but has helped him cut his electric bill in half and is barely noticeable.



Dustin Aubrey (left) and Aaron K. Geer installed the solar panels on Dawn Roberson's home. Her most recent CPS bill, for 2½ months, was \$11, including a monthly connection

Homeowners find swap to eco-friendly alternatives is good for both the planet and the monthly budget.

BY CREIGHTON A. WELCH

awn Roberson has been a frugal

awn Roberson has been a frugal energy user for years now, with an average monthly electric bill of \$13 in her Boerne home.

But that wasn't enough for the professor at the University of Texas at San Antonio. So last year, she started looking into additional options, and hired local startup Novastar Energy to install some solar panels.

"There are now two meters on my house, one going in and one going out," she said. "Tim selling back more than I'm generating."

Her most recent bill — for part of March and all of April and May— was \$11, and that included a \$4.35 monthly connection fee from CPS Energy.

"It's a combo of I want to have the minimum impact, and in all honesty it's the right thing to do," she said. "In my real job, I'm an engineer, so I like

my real job, I'm an engineer, so I like

Roberson's home is an example of the true savings people can see by in-

stalling green and environmentally stalling green and environmentally friendly products into their homes. While you might not be able to afford the \$18,000 solar array that she has (\$10,000 out of pocket after rebates), or find it impossible to cut your bill to single digits, there's a range of homeowners across San Antonio who have been able to save some dollars here and there with a few different green techniques.

and there with a few different green techniques.

Options are available for high-dollar solar systems and geothermal pumps, but there are also cheaper products out there, and even passive building methods that can help save you dollars. And as the technologies improve, more products and designs are available for everyday homeowners.

Doug Littlefield is a dentist in the Air Force. Almost a year ago, he, his wife and four kids moved back to San Antonio from Guam.

wife and four kids moved back to San Antonio from Guam.

His family moved into a home built by Imagine Homes, a local builder that has garnered national acclaim for it attention to green building.

"I came back and had about three or four days to figure everything out, Littlefield said. "Imagine was the las place I visited. It had been a long day but I figured I'd go check this Imagin Homes thing out. I checked it out an

See GREEN/3G



A 2-kilowatt solar system may not be cheap to install, but Dawn Roberson says, 'It's the right thing to do.'

# Green energy helps homeowners save green

CONTINUED FROM 1G

it just made sense."
The Littlefield's moved into a 2,600-square-foot home in the Lakeview neighborhood off off Texas 151 and Ingram Road.

They have average monthly bills of \$100 for electricity and \$17 for water.
And the family's not the

kind to turn everything off during the day. The four kids are home schooled, so some-one's home most of the time and the air's kept at 77 degrees. And the home is on a half-acre lot with a sprinkler system.

"The expenses have been pleasantly affordable," Little-field said. "They sold us on the idea that we might save some money. The best save some money. The best part is it doesn't interfere with our dayto-day life. It has made a difference for us, and it doesn't take a lot of effort."

To add to the benefits, Imag-ine Homes says that its homes, with all the green features, will cost only about 2 percent more than a home that's built to today's building code.
"We definitely stayed under

\$200,000, which included gran-ite and tile upgrades," Little-field said.

Some of the standard green features in Imagine Homes include an aluminum radiant barrier along the inside of the roof to keep the attic cooler, a blown-in insulation that keeps air from coming in and out of the home, low-flow water ap-pliances, a tankless water heater and double-paned windows. These are some of the things

Roberson has been doing to cut her bills so low as well. She al-so has 35 oak trees on her so has so oak frees on her property and 3-foot roof over-hangs, so there's plenty of shade. She even has special skylights that use aluminum foil and a light diffuser to enhance the sun and to act like an indoor light.

A lot of these things are what can help every homeowner cut down on the bills.
"My philosophy was not to

go with all the gizmos, but to go with the old-fashioned," said Gary Woods, who has lived in the King William area for nearly 22 months "So many times, when people think of green, they think of all the neat stuff that could help them live off the grid. That stuff is neat, but it doesn't really ever pay for itself."

When he bought his house,

he decided to take advantage of the neighborhood's style.



UTSA professor Dawn Roberson's 2-kilowatt solar system cost her \$10,000 out of pocket after rebates were paid.

Woods' 900-square-foot home has 32 windows to take advan-

has 32 windows to take advan-tage of breezes.

"My house is designed for the hot weather," he said. "Ev-ery single room has windows on three sides. There are cell-ing fans in all the rooms. My washer and dryer are outside." so all that heat is outside."

He's also upgraded to blownin insulation and double-pane windows to help keep the temperature more constant.

It seems to have paid off. So far, his largest electric bill has been \$33 and his lowest electric

Woods also doesn't have a huge lawn to water. He's on a quarter-acre lot, but covered it with mulch and put in shrubs and perennials. His largest water bill so far has been \$21. which was when he first put the plants in.

Some neighborhoods with strict remodeling regulations can make it difficult to put in green products.

Four years ago, Wayne Thomas put in a geothermal pump system in his front yard. Geothermal pumps use the earth's temperature to help heat and cool the home. Water is pumped into pipes in the ground, where the water is ei-ther heated or cooled, depending on the season.

Thomas put his system in not really by choice, but because his home in the Deco District faces tough regulations on windows.

"Windows should be an ex-ception, that's a big waste of energy." Thomas said. "They'll allow you to change your win-dows, but they have to be the extremely high-end windows that don't not for the extremely and they have for the mealers." that don't pay for themselves. Since we couldn't change the outflow and make the home

tighter, we bought a 5-ton ge-

othermal system."

The whole project cost \$25,000, which included \$15,000 drilling the five 150-foot

holes.
"Our bill's about in half, and
we've lowered our thermostat
to 72 degrees," he said. "Before
we were hot and uncomfortable in the summer. And now
we're very comfortable. When
it's 95 and you really want air
conditioning, it doesn't always. conditioning, it doesn't always work so well. The geothermal is consistent throughout the

Thomas also enjoys the sys tem because, unlike a large air-conditioning unit, there's nothing outside except two small pumps the size of softballs and it doesn't make as much noise.

He said it hasn't become as popular because of the cost, and because other home im-provement options are less expensive and easier to install, but that geothermal can be good when there are building

'It's a thing that people back out of a lot because at the end they go for something else," Thomas said. "Most people will consider it, then decide to make their house tighter instead. If it's a new house, they'll put their money into other angles. If you're in an older house where you can't insulate, or in a historic district where changing out things doesn't pay off, geothermal is one choice to make your input incredibly efficient."

Thomas does admit that though it cuts down on his bills, the payback for the project won't come quickly.

The negative side is even though people claim you can make your money back when you sell, you should plan to be

## Prepayments help o pay off mortgage ea

Q: I own a home. In 2004, I refinanced and got a \$200,000, 15-year loan at 5.25 percent. For one year, I paid an extra \$500 per month. I now owe \$125,000. I am still paying of the payment each month

I am not sure how many years I have left at this point due to all of my prepayments I want to pay the house off in the next five years. How much do I need to add to my monthly payment in order to pay off the house in that time frame? Thank you very much.

A: You haven't quite provided me with all of the in-formation I need to calculate exactly what you have to do to pay off your loan in the next five years, but I've pulled some general numbers that I think will help you figure out what's going on. First, congratulations on

prepaying your mortgage. You're doing a great job of building equity in your home If you prepaid an extra \$500 per month on your \$200,000 loan at 5.25 percent, it would take you four years to pay down the balance to \$125,000. Since you're about four years into your loan term, I'm guessing that you've actually been paying \$500 per month all this time, not just for one year. That's how you'd get to about \$125,000.

there for a long time," he said. Homeowners also can testify

about improved health benefits

from greener environments.

Imagine Homes puts an air intake vent into each room, which helps circulate the air and keep it fresher.

Angela Miller who also owns

a home from Imagine, says the energy saving features of the

house have cut her electric bill about in half from the \$275 per

month she paid in her old house to \$135 currently. But for

her, the biggest green advan-tage is the air, especially for her 4-year-old daughter, who

has an immune deficiency
"Her body doesn't detect viruses as bad," Miller said. "We
found out a lot of the bad
chemicals could be removed in

the home. That has to be better for her breathing. Yes, we still

get dust, but it's not nearly as much compared with what I

Cases of her daughter be-coming ill have gone from once a month to once every eight to

"Since we moved in here, she gets sick a lot less," Miller said. "I truly believe that one of the reasons is the air quality in the house. You don't have as

had before.

If you only prepaid the loan for one year, I'm wondering if you made any extra prepayments on top of that amount. Going forward, if you paid the \$500 monthly plus \$1,607 per year, that works out to \$634 per month. At that rate, you'd pay off your loan in around 9 % years, depending on when you made the extra \$1,607 payment (I calculated it as if you added an extra \$634 to each monthly payment, al-though if you paid the \$1,607 in January of each year, you'd pay off your loan slight-

Since you got your loan in 2004, you'd pay it off in 2013, or about five years from now. Good luck in reaching your

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