

Office of Environmental Services Department

Utility bills seem sky high?

Perhaps the Office of Environmental Services department can help locate the problem. The OES department will be glad to visit your home and conduct a quick Home Energy Audit. A Home Energy Audit will help identify areas in your home where you might be losing warm air in the winter and cool air in the summer. A 'leaky' house will cause a heating or cooling system to work 'overtime', which means spending more money in the long run. Locating the 'problem' areas is the first step towards making your home more energy-efficient.

How does a Home Energy Audit work? OES will first perform a Blower Door test. In this test OES will place a fan, within a special door frame, in a door located in a central part of the home. When the fan is turned on, the house will have a negative pressure on the inside and a positive pressure on the outside. The inside air will rush through the fan to the outside, but where ever there are leaks to the outside or to wall cavities; air will be sucked into the house (Imagine trying to drink through a straw with a few holes on the side). While the blower door is on, OES will do a quick walk-through of the home and locate the leaks. Some of the more obvious places,

you might think, are window and door frames, but the most significant air leaks are often outlets, recessed lighting fixtures and holes or missing pieces in the drywall. During the summer the hot air from outside will pour into the home through all these places which may cause the air conditioner or cooling system to remain 'on' constantly. Similarly, this will happen in the winter with the heating. When two areas are at different temperatures, heat will flow from the warmer area to the cooler area until there is no longer any difference in temperature between them.

These areas can be detected most of the time by simply feeling the air flow on the back of your hand while the blower door test is being conducted. Another way to detect leaks is by 'seeing' the temperature differences on the surface around the problem areas. In order to do this, OES will use an Infrared Thermal Imager, or Infrared Camera. While doing a walk-through of the residence, OES will be taking infrared images of the problem areas for a visual record; this is called a Thermo Graphic Inspection. Not only will this inspection give a 'visual' to leaks found by doing a blower door test, it can also find where energy might be lost in places that airflow

cannot be felt, for example in wall cavities where insulation might be missing. In that sense it can serve as quality control, by determining whether insulation is needed or to ensure that it has been installed correctly.

These two inspections will locate some simple fixes towards a more energy-efficient home. But some other options to consider are exchanging your light bulbs and appliances with more 'energy saver' friendly ones. Think about all the things in a home that are left on or plugged in for 24 hours a day like a toaster oven, microwave, computer or other electronics. Appliances, electronics and lighting account for, roughly, 37% of energy use on a typical utility bill. One helpful hint is to make sure things are unplugged when not in use, and

also make sure things are turned off when no one is around, such as lights in a room or a room fan (A fan cools the skin, not the air). 12% of a typical utility bill is spent on 'space cooling'. The biggest chunk of the utility bill, however, goes to 'space heating' at 31%.

Having a Home Energy Audit will show you problems that may, when corrected, save you significant amounts of money over time. If you would like the OES department to come to your home and perform a Home Energy Audit please contact our office by phone: (918)968-0046, or by Email: oes@sacandfoxnation-nsn.gov. We can talk with you and begin the scheduling process.

*Thank you, Andy Anderson
Environmental Technician*

Waneshka Goes To Tama

Chief Waneshka Went To Tama to battle Chief Smiles Alot on his turf. Even though the crowd cheered for their hometown favorite, "Smiles Alot" the crowd of children around Chief Waneshka was proof that he was the victor! Everyone had a great time as well as Chief Waneshka. Also Chief Waneshka would like to send a special condolence to Chief Smiles Alot on the loss of his loved one.



New Library Hours



The Sac and Fox National Public Library is open Monday - Friday
8 a.m. - 6 p.m.
Saturdays
9 a.m. to 1 p.m.
Please call 918-968-3626,
extension 1062

Catherine Walker, Marlana Starr and Kathy Platt welcome your patronage

NOTICE

The Sac and Fox Nation guidelines for the school clothing grants require the expended gift card along with the receipts to be turned in to the Education Department.

- Applicants who fail to comply with this requirement will not be eligible for funding in the subsequent school year.
- Abuse of a grant award by making purchases of items for other purposes or for persons other than the awardee shall lose all consideration for future funding.

Applicants should note that failure to comply and/or abuse of an award for one child places future funding for all of their qualified children at risk.

All receipts and expended cards must be turned in by the end of the school year.

THESE RULES WILL BE ENFORCED

Please turn in your receipts to the
Sac and Fox Nation Education Department
920883 S. HWY 99 Stroud OK 74079

ATTENTION TRIBAL MEMBERS

**A MEMBER OF THE TAX COMMISSION STAFF
WILL NOW BE AT
THE SHAWNEE MULTIPURPOSE CENTER
TWICE A MONTH.**

**THE TAX COMMISSION WILL BE THERE ON
THE FIRST (1ST) AND THIRD (3RD)
THURSDAYS OF EACH MONTH.**

**WE WILL BE ABLE TO BETTER SERVE TRIBAL
MEMBERS LIVING IN THE SHAWNEE AREA WITH
MOTOR VEHICLE REGISTRATION AND ANY
OTHER SERVICE THAT WE CAN ASSIST YOU WITH.**

THE KINGDOM REVIVAL

Thursday 7PM Paulett Cozad **September 8th,**
Essie Fish and Beatrice Morris **9th and 10th**

Friday 7PM Redmond Wolf
Delfred Whitecrow

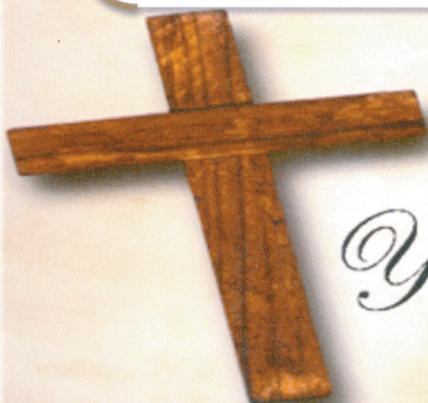
Saturday 7PM Thomas Morris
Paul Wolf

**"WE HAVE THE SPIRIT OF
FAITH"**
2 CORINTHIANS 4:13

Location: Sac & Fox Community Chapel
(5.5 miles south of Stroud, OK on HWY 99)

EVERYONE WELCOME

Ministry of Music Provided By Kenneth Johnson



Air Conditioning Maintenance Tips

Keeping your air conditioning unit running smooth and cold all season is a breeze if you perform a little regular maintenance on your system.

Change or clean your filters every 30 days.

Dirty air filters are the No. 1 cause of air conditioning breakdowns and they make the system work harder which uses more energy and costs you more on your utility bill.

Change central AC/furnace filters monthly.

Filters cost little more than a dollar or for a small investment you can buy a lifetime filter that you remove and clean rather than changing.

Whichever filter you use, keeping it changed/clean regularly, all year round, will keep your system clean & allow the air to flow.

Most window units have a removable filter behind the air inlet grille that you can take out and rinse monthly.

Tribal Emergency Home Repair (TEHR) has paid to repair or replace many central air units. The No. 1 reason the units break down is the air filters were not being changed. This can cost hundreds to thousands of dollars to repair or replace and is preventable at a cost of about \$15 per year for filters.

Keep your condenser coils clean and free of debris.

Central Air systems have a condenser located outside in either a square or round metal housing. The condenser coils should be cleaned regularly or it will get clogged, air will not be able to circulate freely & eventually your air conditioner will not work. To clean, turn your unit off in the house at the thermostat and shut the system off at the control box located outside near the condenser; hose down the condenser making sure all sides are clean and free of debris. Check often during the cooling season; you may need to do this more than once especially if you have cottonwood or other shedding type trees near.

Window units should also be kept clean by unplugging or removing them from the window and then cleaning with the hose or at the car wash.

These simple maintenance steps will not only keep your cooling system operating at its best and extend the system life, they will also cut your utility costs.