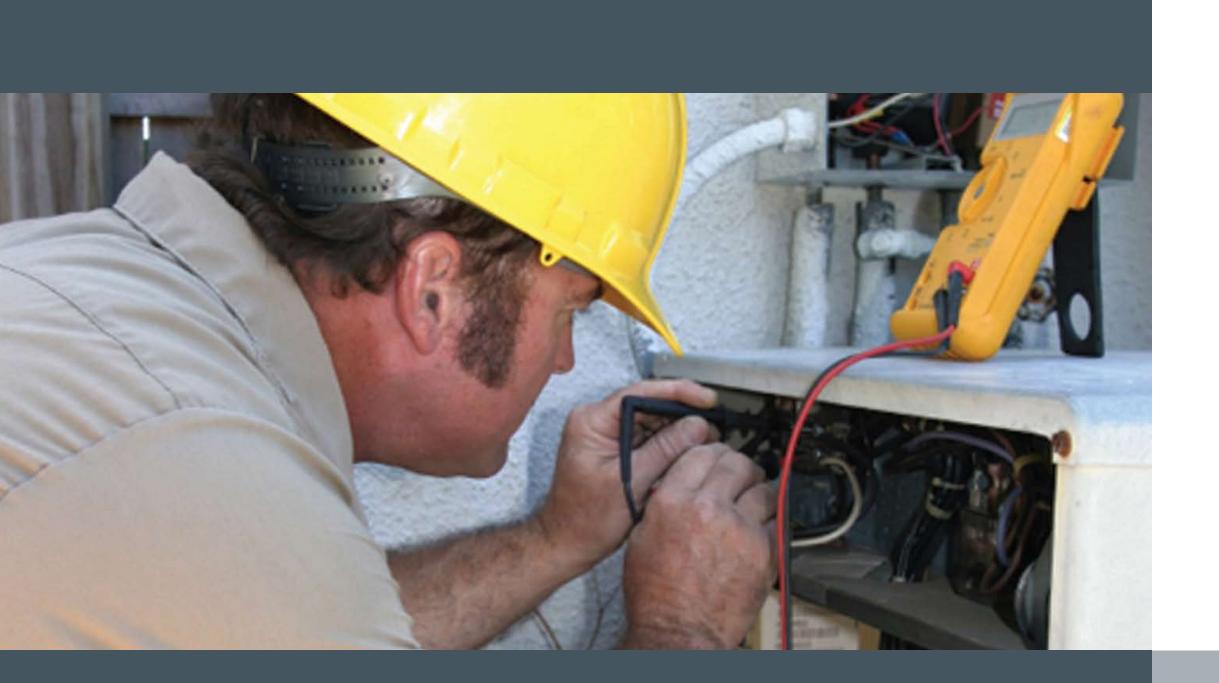
## Western HVAC Performance Alliance

## COMPLIANCE: HOW DO CONTRACTORS ASSESS RISK IN DOING UNPERMITTED WORK? (AND WHY?)

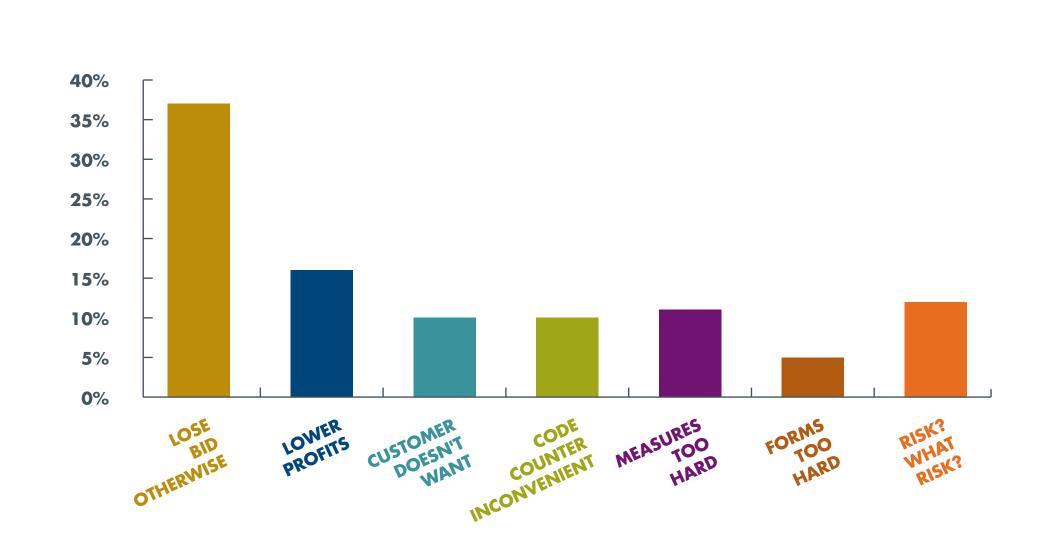


Compliance with the Energy Code in California is thought to be less than 10% and there is little enforcement.

Strategic Plan Goal:
HVAC-related permits
are obtained for 50% of
installations by 2015 and
90+% by 2020.

The Western HVAC
Performance Alliance
surveyed California HVAC
contractors to find out how
they assess the risk of not
taking out a permit.

## WHY WOULD HE TAKE THIS RISK?



## WHAT THE WHPASM IS DOING ABOUT IT

Designing a brochure for contractors to discuss with homeowners

Pilot testing online-permitting

Reviewing new measures added to code

Reevaluating contractor licensing requirements and training

Simplifying compliance paperwork

**Stepping up enforcement** 



California Building Standards—HVAC Changeout Requirements

According to the California Mechanical Code (Title 24, Part 4), a building permit is required for most Heating, Ventilation, and Air Conditioning (HVAC) modifications, including (but not limited to):

New HVAC installation

New HVAC Changeout Permodel/replacement including the electron of investing (HVAC) modifications, including (but not limited to):

New HVAC installation

New HVAC installation

New HVAC installation

New HVAC installation (Property in the California energy code also requires the following:

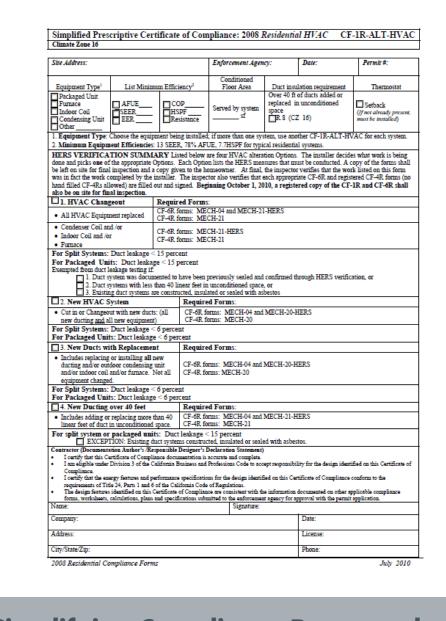
Not installation energy code also requires the following:

Not installation in energy code also requires the following:

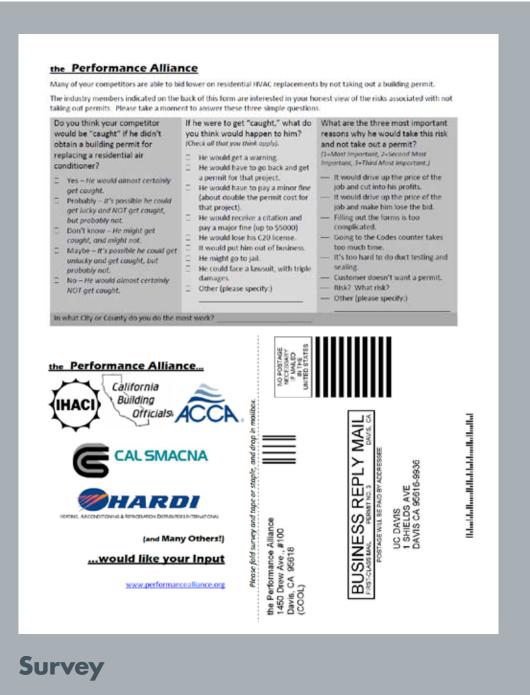
Not installation in the HVAC installation was done properly, and that you mere system meets the safety and efficiency four new system tests the safety and efficiency four new system fers the safety and efficiency four new system for years to come cases:

Soling and testing of any ducst that leak 15 percent or indication in the safety of the inspection are to especially in the safety of the inspection are to especially into the property of your new system for years to come to the experiments of the codes. You will epily the conflort and efficiency four new system for years to come to the experiments of the codes. You will epily the conflort and efficiency four new system for years to come to the experiments of the codes. You will epily the conflort and efficiency four new system for years to come the efficiency four new system for years to come the efficiency four new system for years to come the efficiency four properties of the standard properties of the safety and efficiency four new system for years to come the efficiency four new system for years to come the efficiency four new system for years to come the efficiency four properties of the safety and efficiency four new system for years to experiments of the efficiency four properties of the safety and efficiency four properties. The inspector happens to see any problems tha

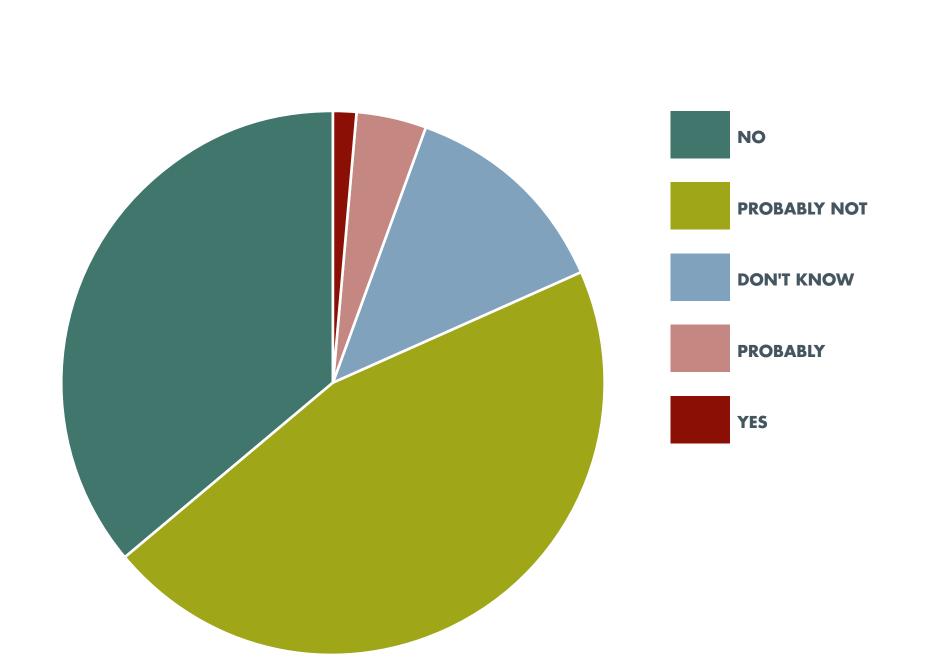
Homeowner Brochure



Simplifying Compliance Paperwork

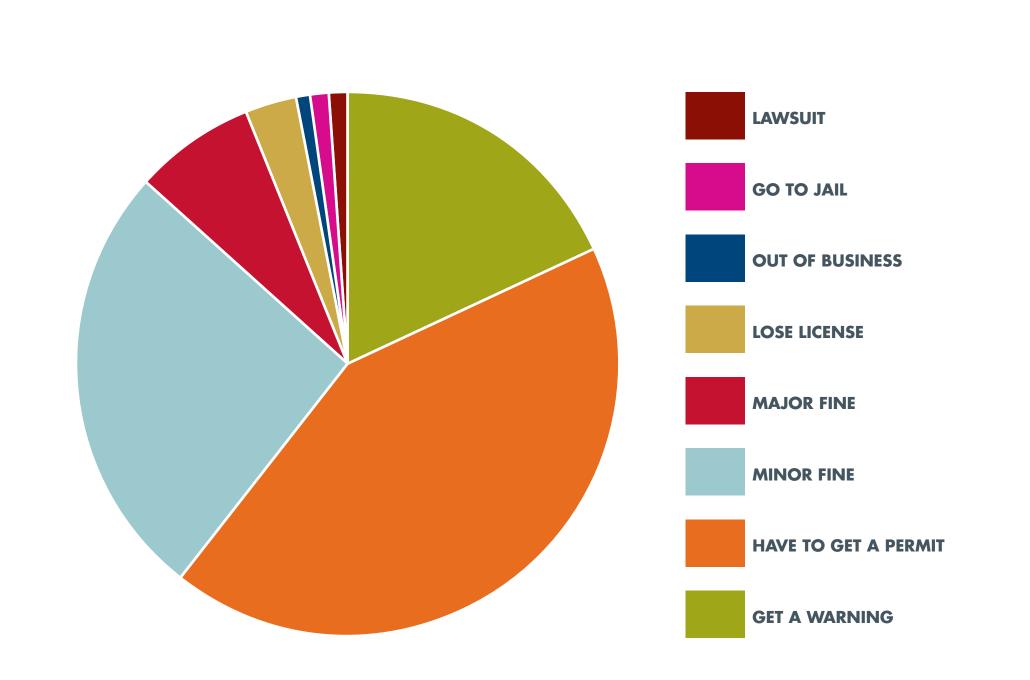


WHAT WOULD HAPPEN TO HIM IF HE GOT CAUGHT?



WOULD YOUR COMPETITOR GET CAUGHT

FOR NOT TAKING OUT A PERMIT?



The Western HVAC
Performance
Alliance<sup>SM</sup> is the
primary conduit
between the HVAC
Industry and
energy program
planners and policy
makers—organized
to transform the
way HVAC is built,
installed, and
maintained.

