

Energy Efficiency

The Whole Home Approach



Kayamut Circle
3-22-11

Energy Efficiency - Home Energy Audits

Why??

Save You Money

Improve Your Comfort

Conserve Precious Resources

Reduce Greenhouse Gas Emissions

Energy Efficiency - Home Energy Audits

??Windows??



Energy Efficiency - Home Energy Audits





Energy Efficiency - Home Energy Audits

Air Leakage



Energy Efficiency - Home Energy Audits

Thermal Barrier (Insulation)



Energy Efficiency - Home Energy Audits

Ducts



Energy Efficiency - Home Energy Audits

Efficiency and Safety of Appliances





Energy Efficiency

The Technology

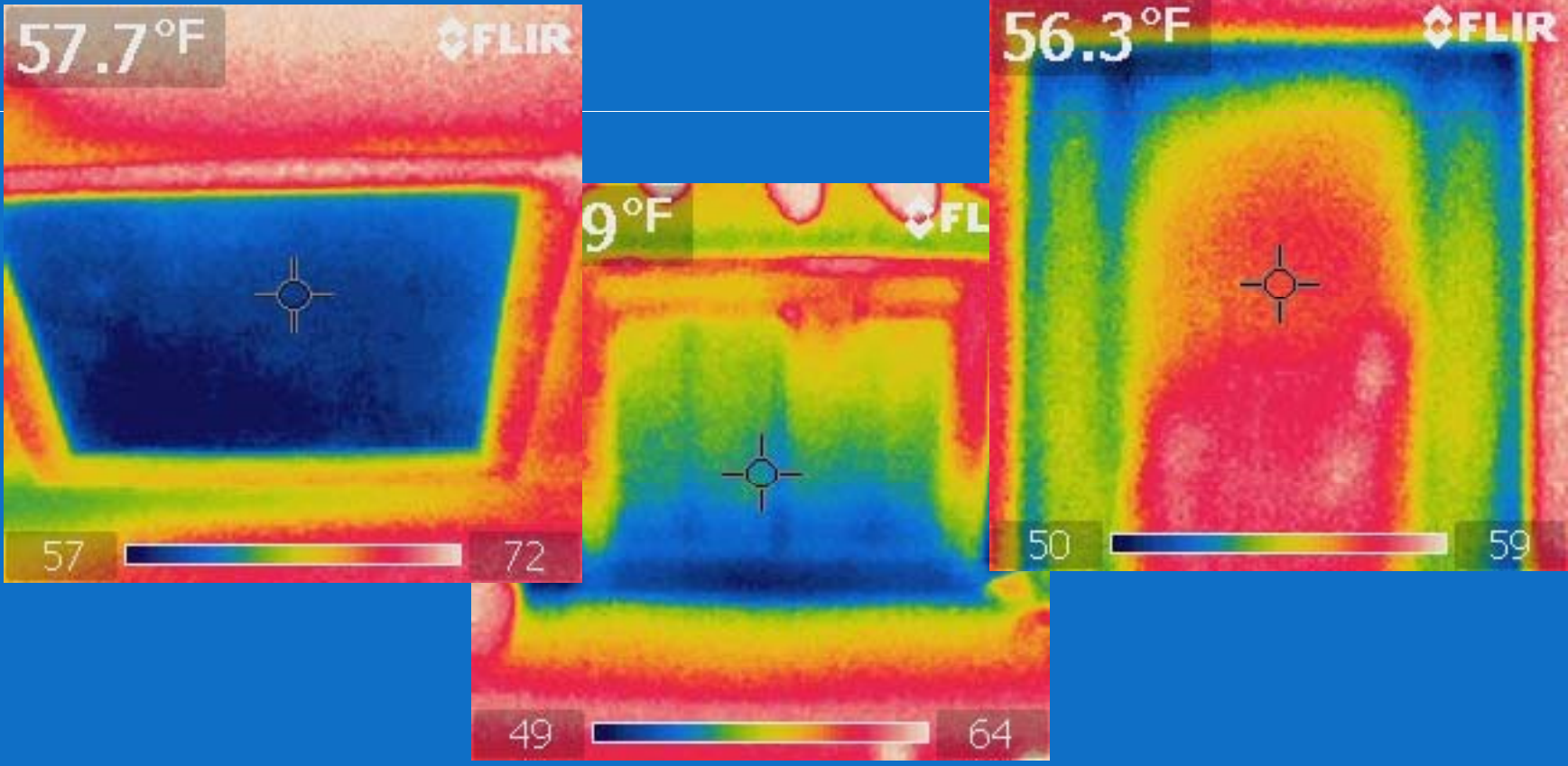
Energy Efficiency - Technology

Air Leakage



Energy Efficiency - Technology

Thermal Imaging



Energy Efficiency - Technology

Fiber Optic Scope



Energy Efficiency - Technology

Combustion Safety Testing





Energy Efficiency

Comprehensive Approach

Energy Efficiency – Comprehensive Approach

Lighting

Energy Efficiency – Comprehensive Approach

Lighting
Appliances

Energy Efficiency – Comprehensive Approach

Lighting

Appliances

Electric Base load

Energy Efficiency – Comprehensive Approach

Lighting

Appliances

Electric Base load

Windows/Doors

Energy Efficiency – Comprehensive Approach

Lighting

Appliances

Electric Base load

Windows/Doors

Alternative Energy Suppliers

Energy Efficiency – Comprehensive Approach

Lighting

Appliances

Electric Base load

Windows/Doors

Alternative Energy Suppliers

Comprehensive Analysis and Report

Energy Efficiency – Comprehensive Approach

Lighting

Appliances

Electric Base load

Windows/Doors

Alternative Energy Suppliers

Comprehensive Analysis and Report

Energy Incentives

Energy Efficiency – Comprehensive Approach

Lighting

Appliances

Electric Base load

Windows/Doors

Alternative Energy Suppliers

Comprehensive Analysis and Report

Energy Incentives

Professional Referrals



Energy Efficiency

Home Performance

Energy Efficiency - Home Energy Audits

Leakage Pathways



Energy Efficiency - Home Energy Audits

Leakage Pathways



Energy Efficiency - Home Energy Audits

Leakage Pathways



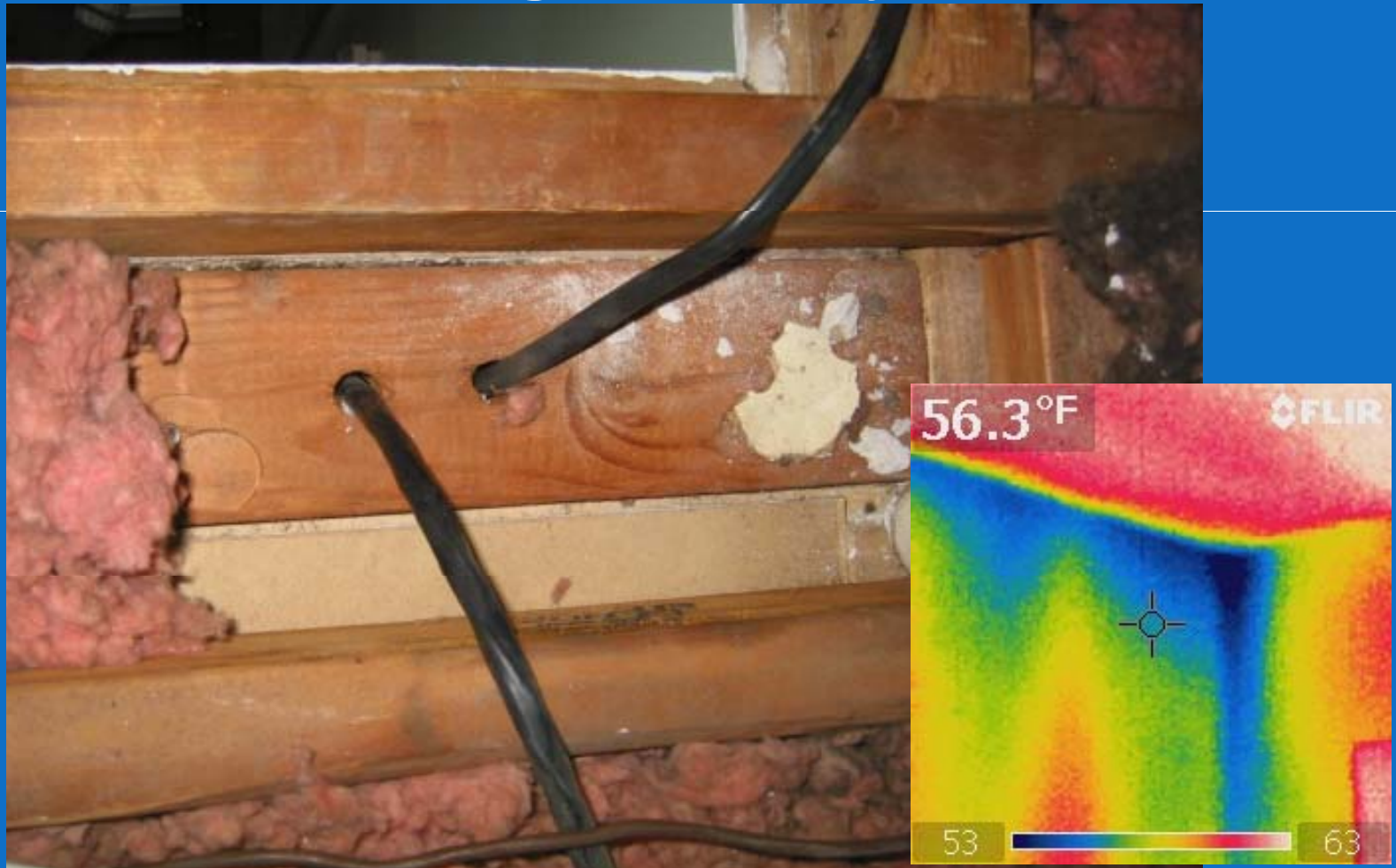
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Leakage Pathways



Energy Efficiency - Home Energy Audits

Leakage Pathways



Energy Efficiency - Home Energy Audits

Leakage Pathways



Energy Efficiency - Home Energy Audits

Insulation



Energy Efficiency - Home Energy Audits

Insulation



Energy Efficiency - Home Energy Audits

Insulation



Energy Efficiency - Home Energy Audits

Ducts



Energy Efficiency - Home Energy Audits

Ducts





Energy Efficiency

Health and Safety

Energy Efficiency - Home Energy Audits

Moisture and Internal Air Quality



Energy Efficiency - Home Energy Audits

Moisture and Internal Air Quality



Energy Efficiency - Home Energy Audits

Safety and Efficiency of Appliances



Energy Efficiency - Home Energy Audits

Internal Air Quality/Combustion Safety



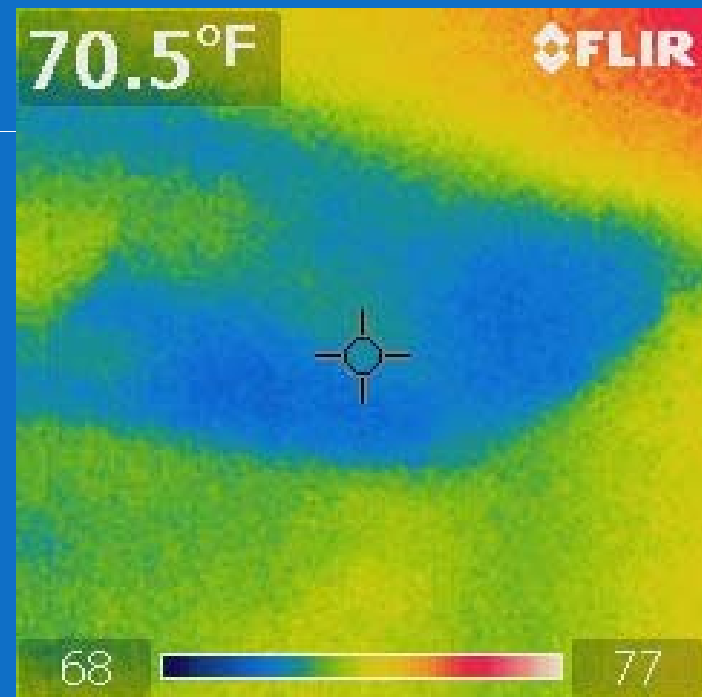
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Combustion Performance



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System Interactions



Energy Efficiency - Home Energy Audits

System Interactions





Energy Efficiency - Home Energy Audits

??Windows??



Energy Efficiency - Home Energy Audits

??Windows??

Maybe



Energy Efficiency

Making the Repairs

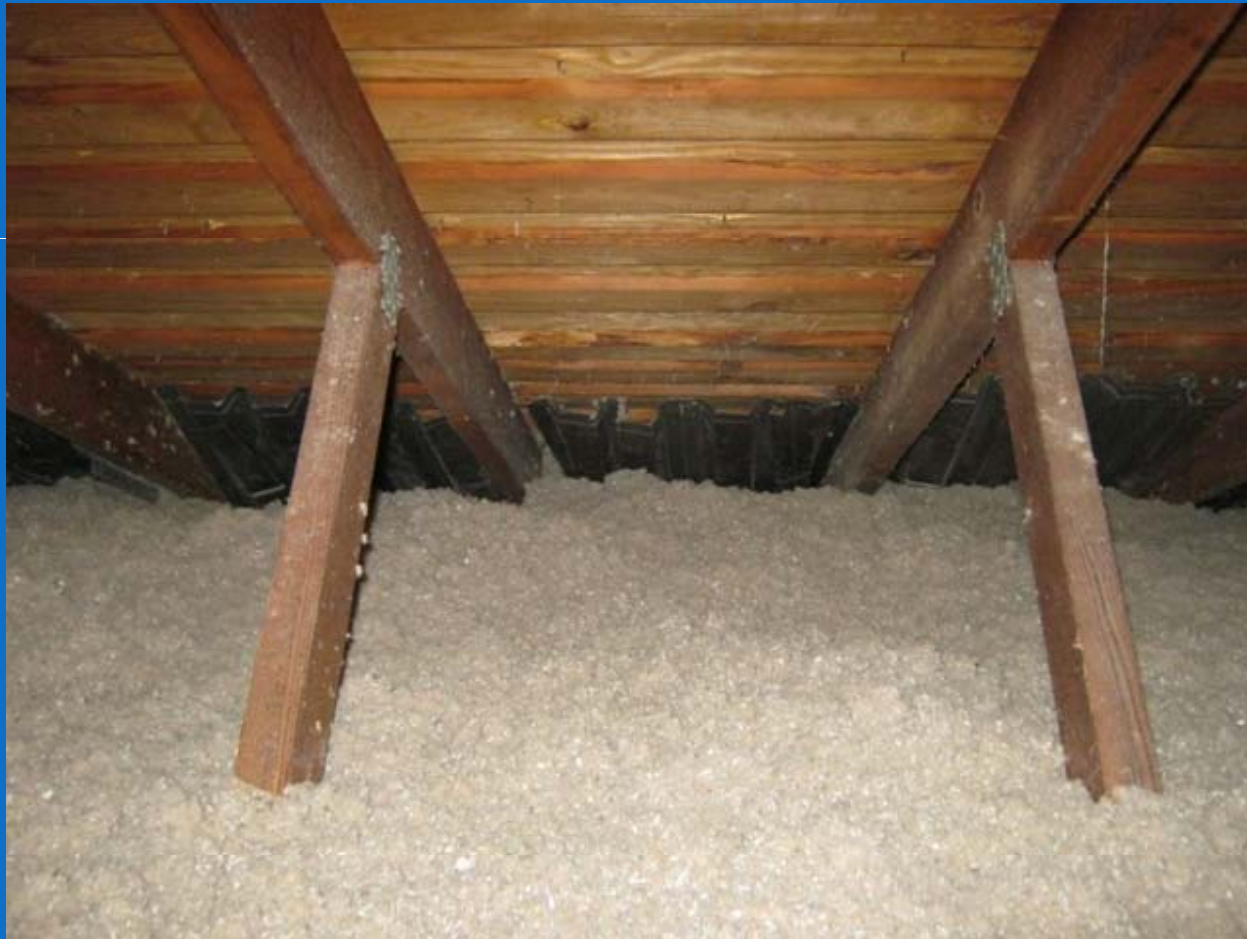
Energy Efficiency - Home Energy Audits

Repairs



Energy Efficiency - Home Energy Audits

Repairs



Energy Efficiency - Home Energy Audits

Repairs



Energy Efficiency - Home Energy Audits

Repairs



Energy Efficiency - Home Energy Audits

Repairs



Energy Efficiency - Home Energy Audits

What You Can Do

1. Windows and Doors
2. Light Bulbs
3. Thermostat
4. Water Heater
5. Curtains
6. Low Flow Showerheads
7. Laundry
8. Dishwashing
9. Refrigerator
10. Electronics

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