Promoting and advancing the development of healthy, durable, and sustainable shelter for Alaskans and other circumpolar people.

Research • Innovation • Education

Cold Climate Housing Research Center

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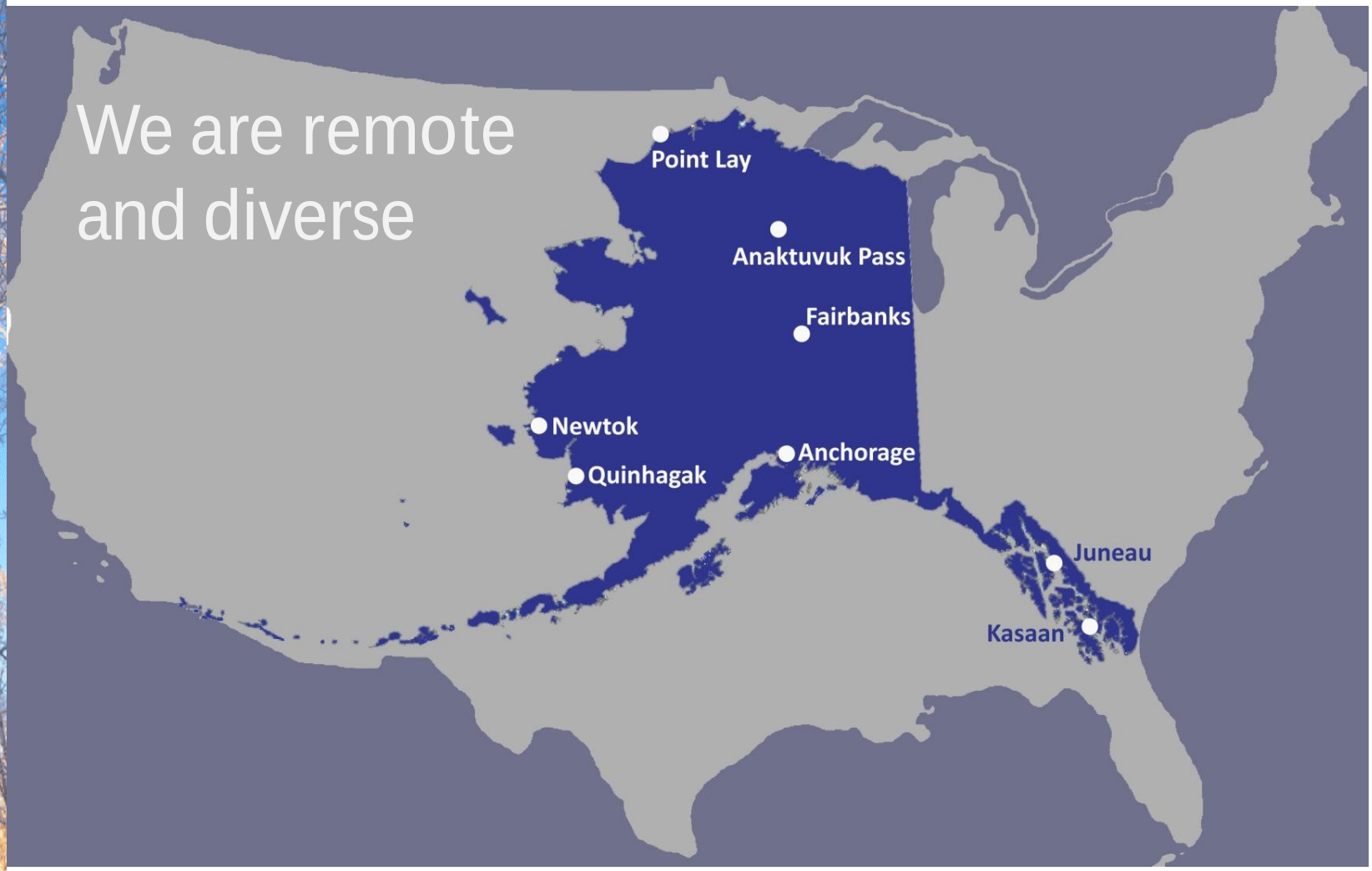
We are remote and diverse



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It's hard to get to work

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It’s hard work

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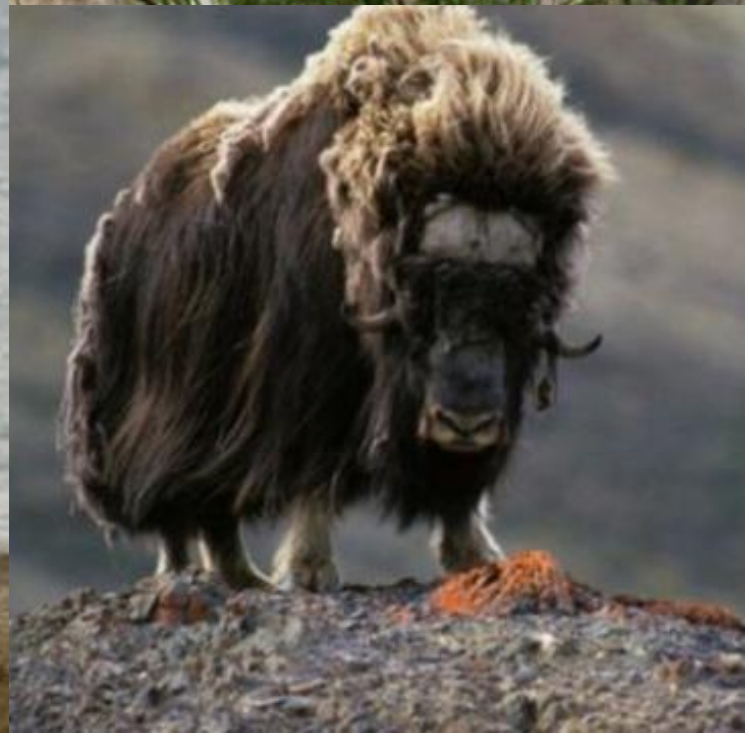
Alaska is a Place of Problem Solvers



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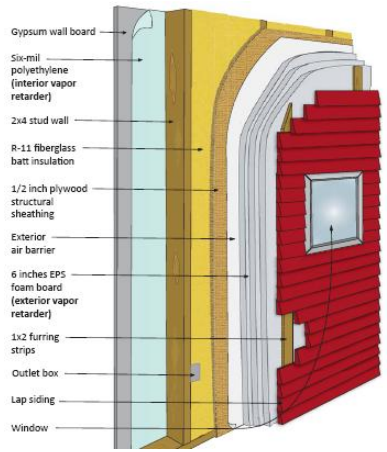
HOW DOES CCHRC SOLVE PROBLEMS?

- Understand the problem

- Gather Information

- Identify Solutions



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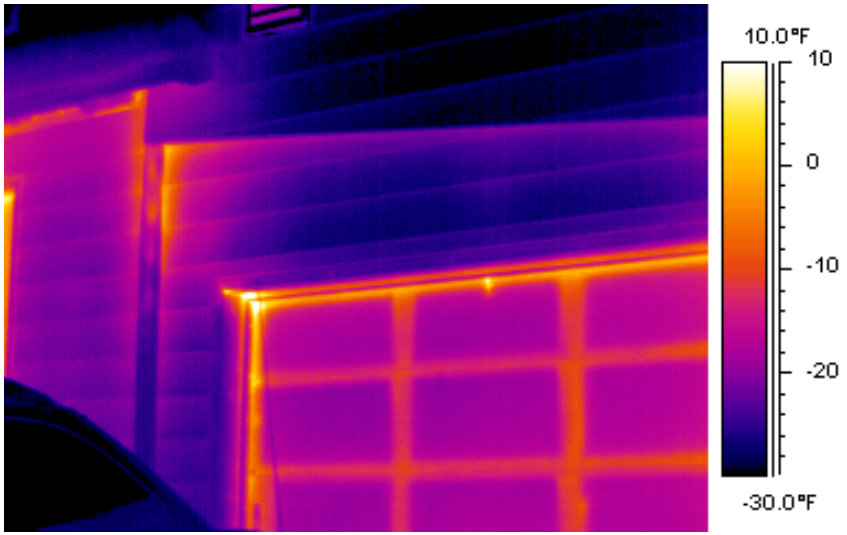
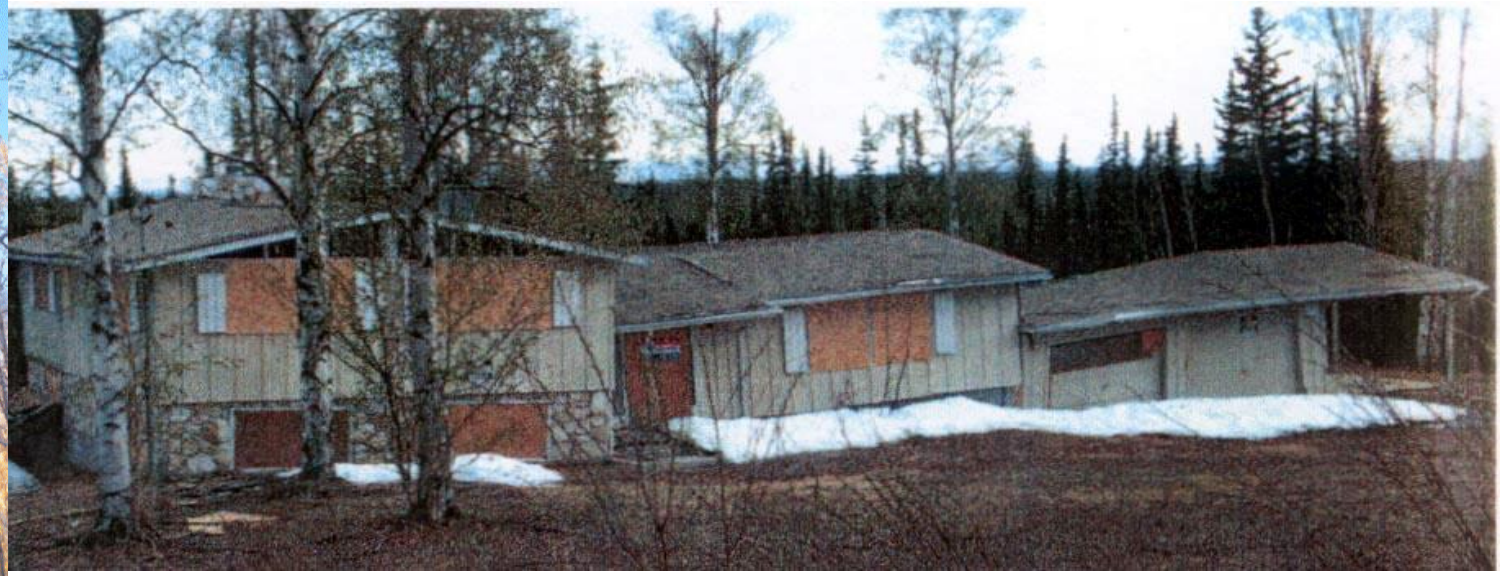
HOW DOES CCHRC SOLVE PROBLEMS?

Understand the Problem





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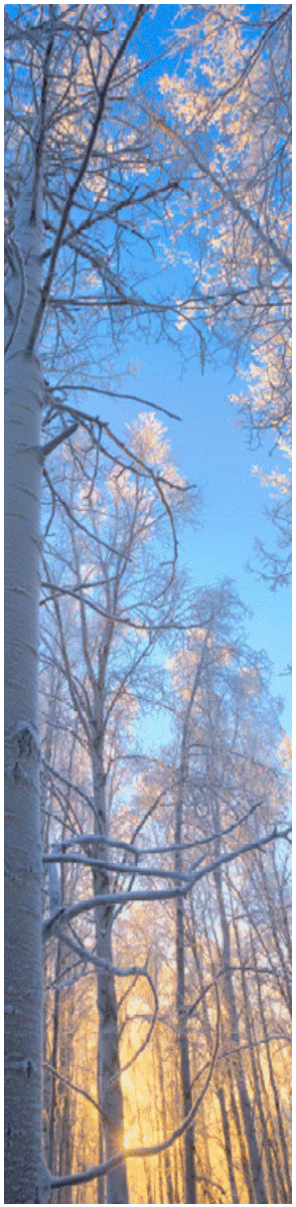
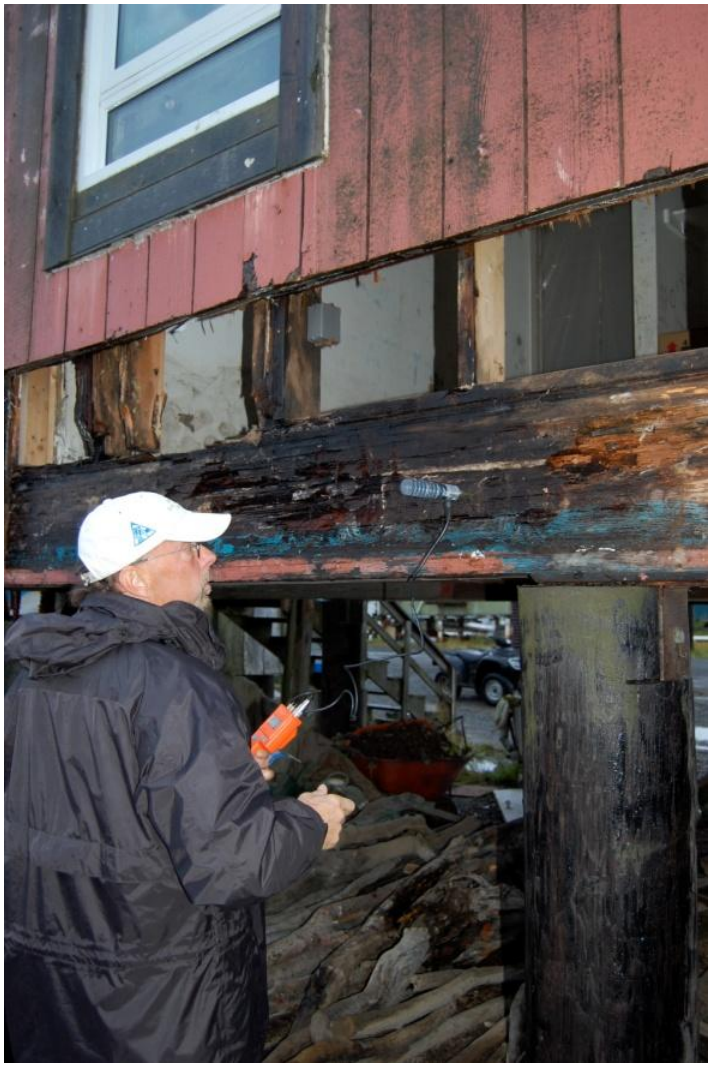
HOW DOES CCHRC SOLVE PROBLEMS?

Understand the Problem





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HOW DOES CCHRC SOLVE PROBLEMS?

Gather Information

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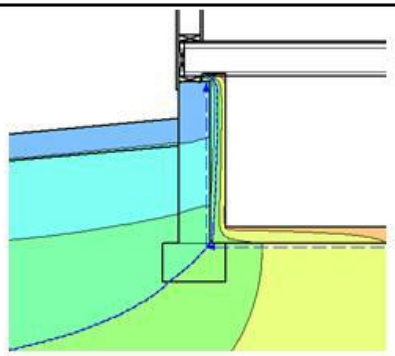
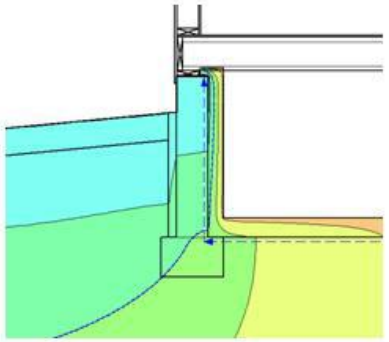
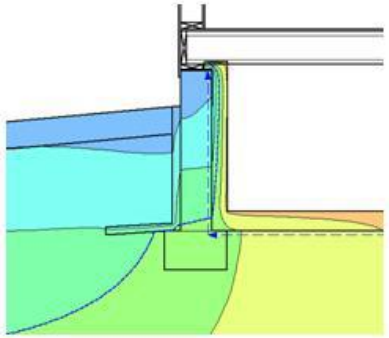
HOW DOES CCHRC SOLVE PROBLEMS?

Gather Information

	Scenario A	Scenario C	Scenario D
age, AK ture: 36.5°F MC(1) avel Soil, 8% MC (1) all,			
	No Exterior Insulation	Vertical Exterior Insulation (2" XPS R-10 Foam Board)	Vertical Exterior Insulation with Horizontal Wing (2" XPS R-10 Foam Board, 48" Total Length)

tent (MC)

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HOW DOES CCHRC SOLVE PROBLEMS?

Identify Solutions

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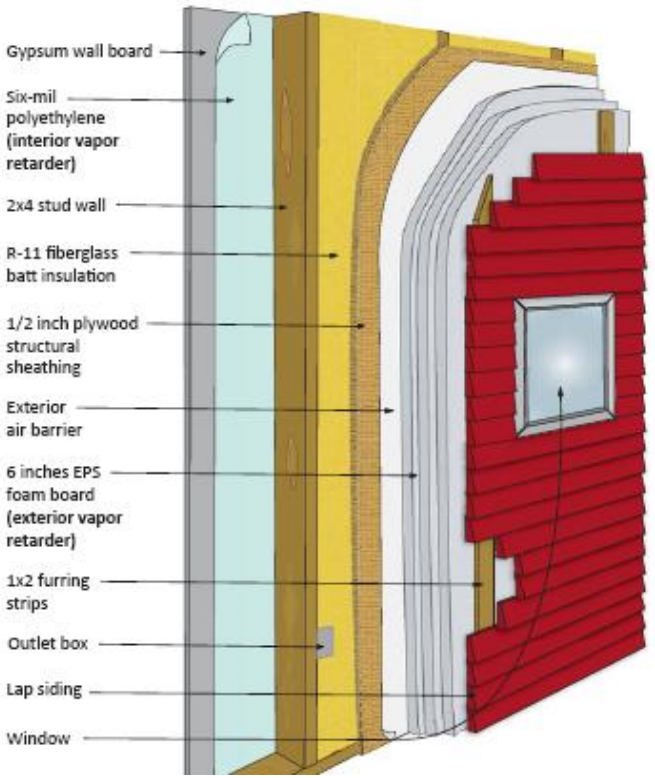

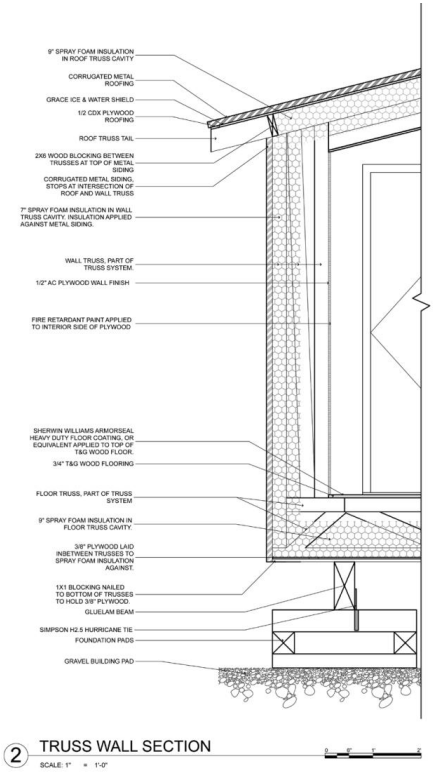

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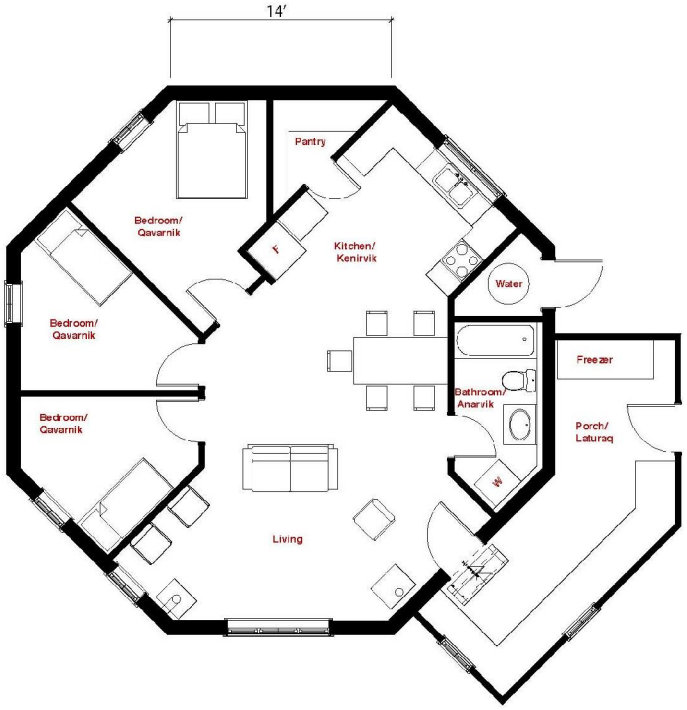
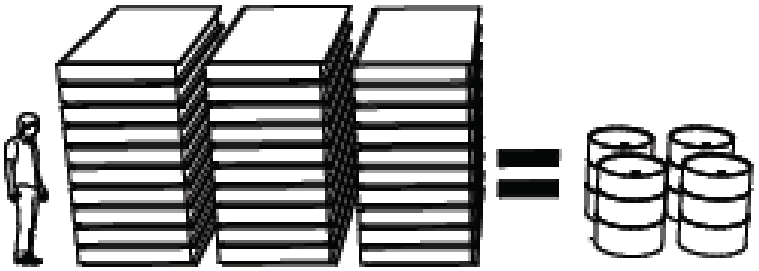
HOW DOES CCHRC SOLVE PROBLEMS?

Identify Solutions





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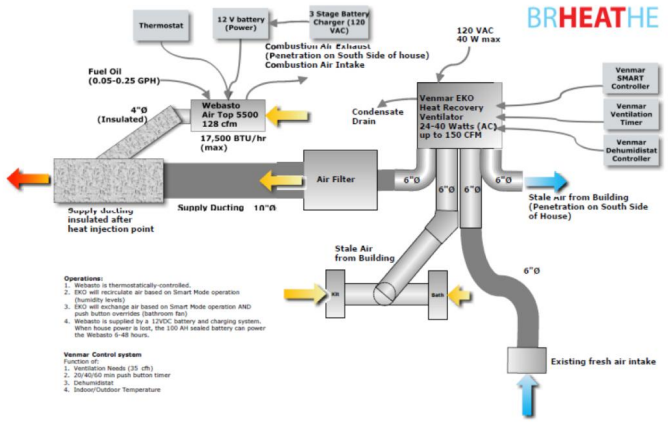

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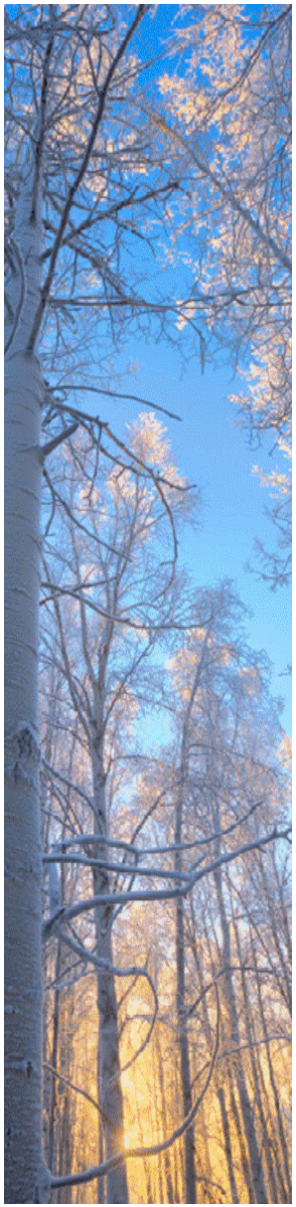
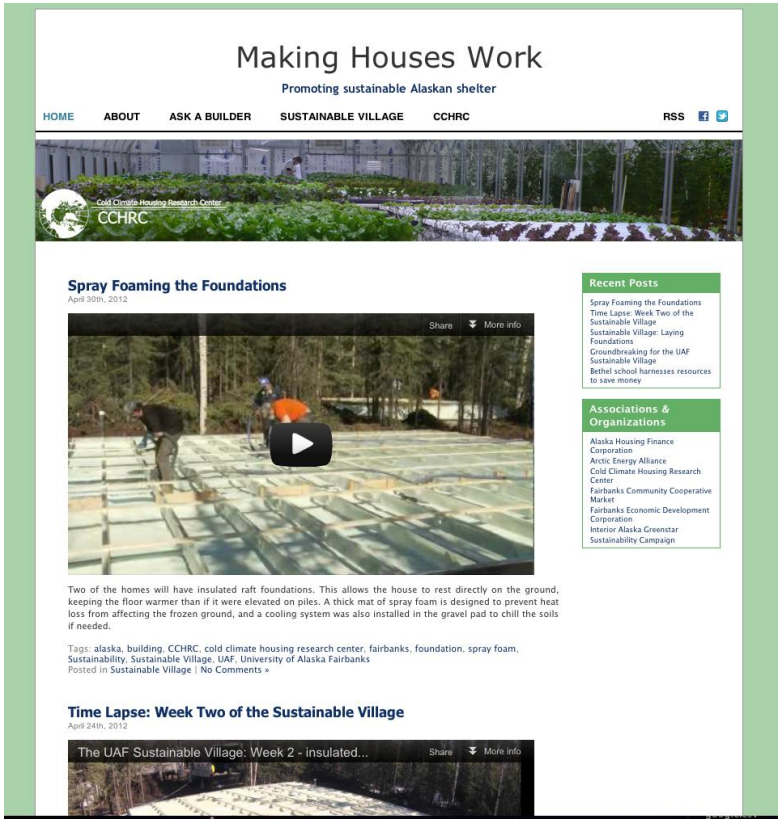
HOW ARE SOLUTIONS APPLIED?

Communicate with End Users



+50,000 Hits/yr

+20,000 Hits/yr



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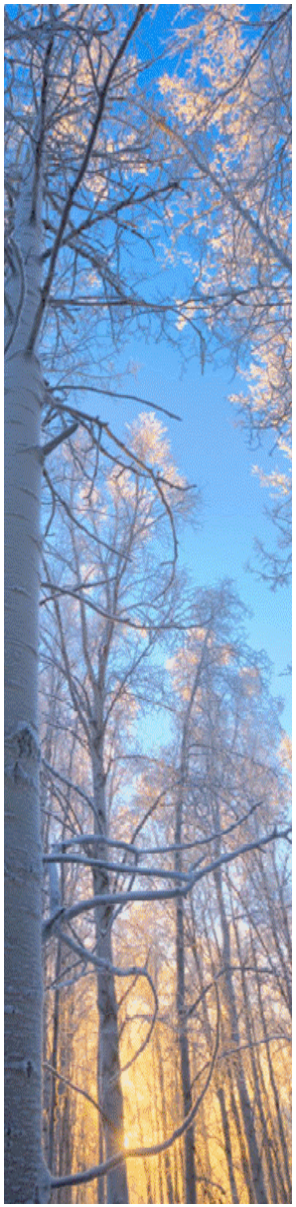
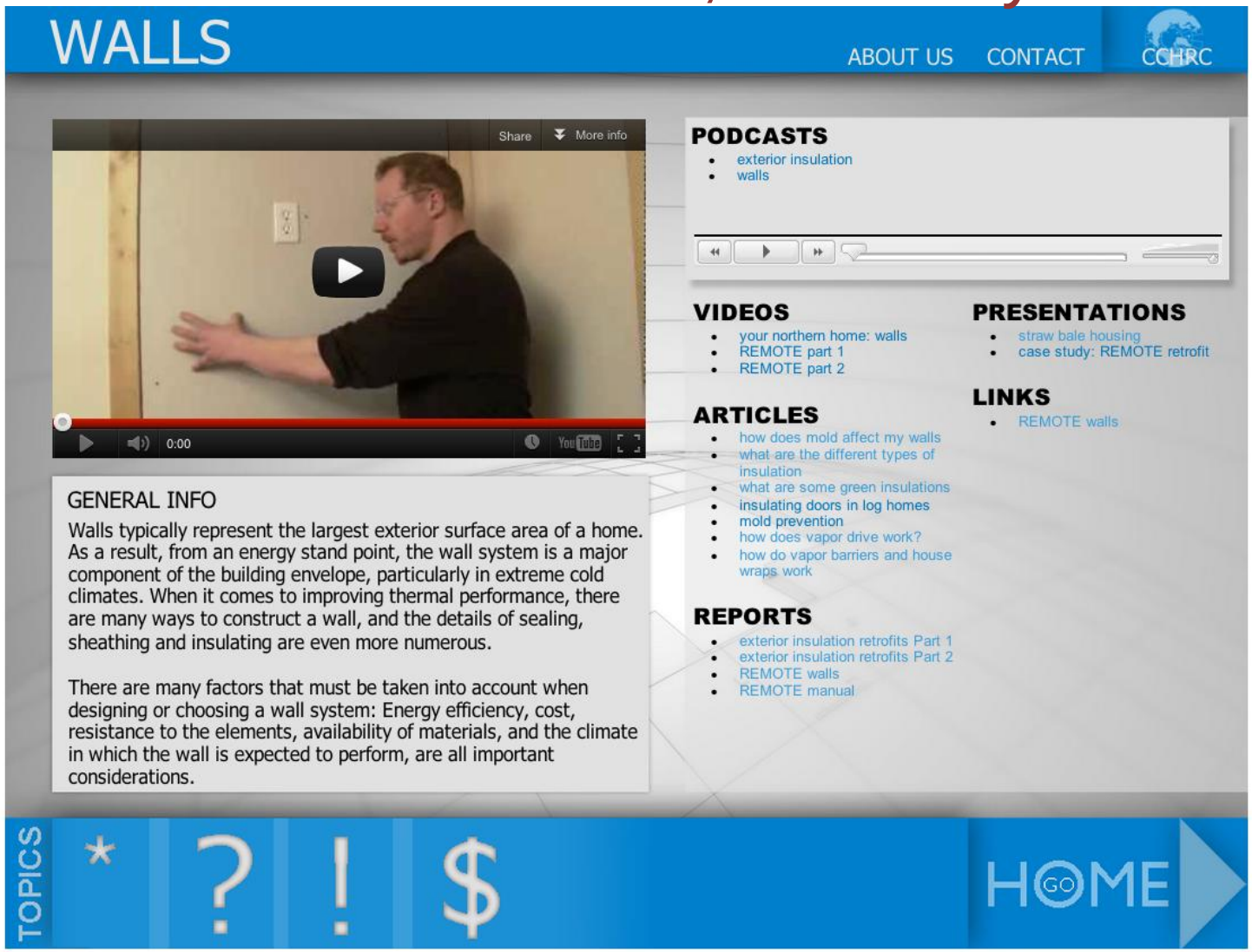
HOW ARE SOLUTIONS APPLIED?

Communicate with End Users

+20,000 Hits/yr





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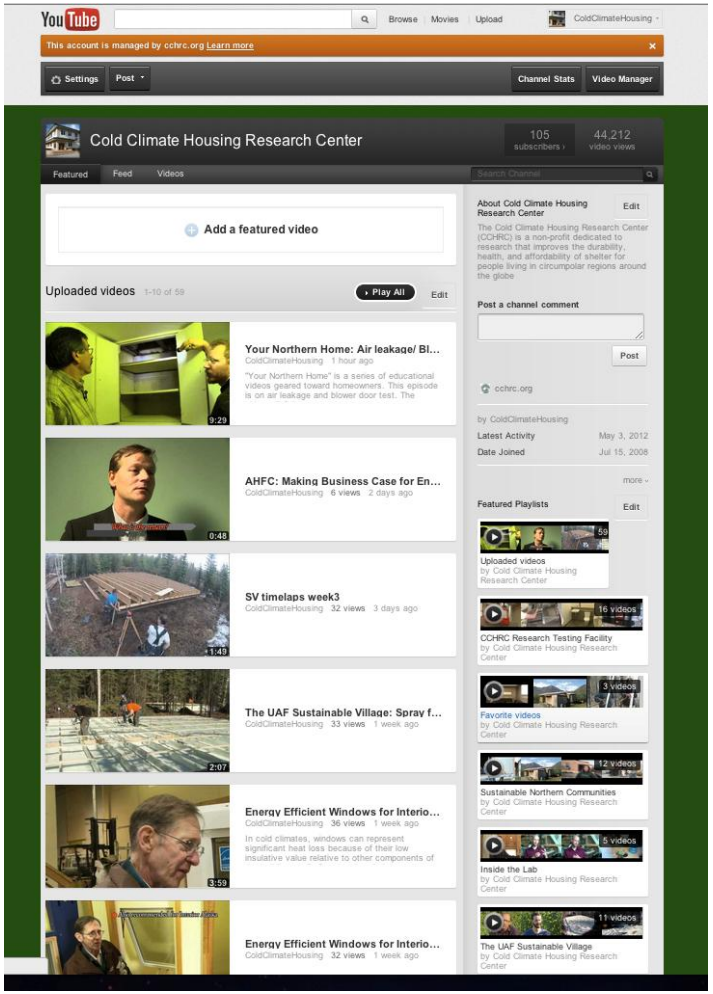
HOW ARE SOLUTIONS APPLIED?

Communicate with End Users

+200,000 Views



2,000 Tour Attendees
2,000 Consultations
50+ Classes

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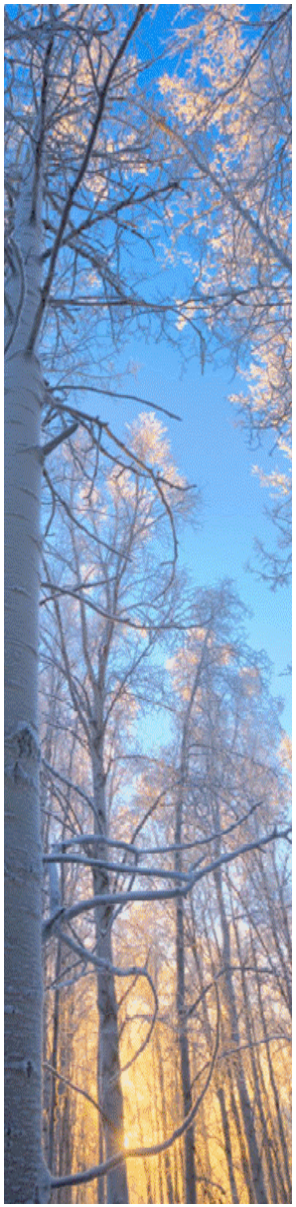
HOW ARE SOLUTIONS APPLIED?

Demonstration



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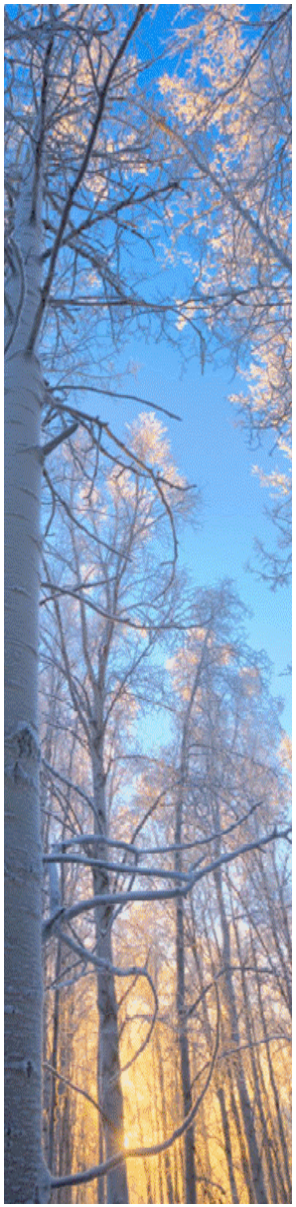

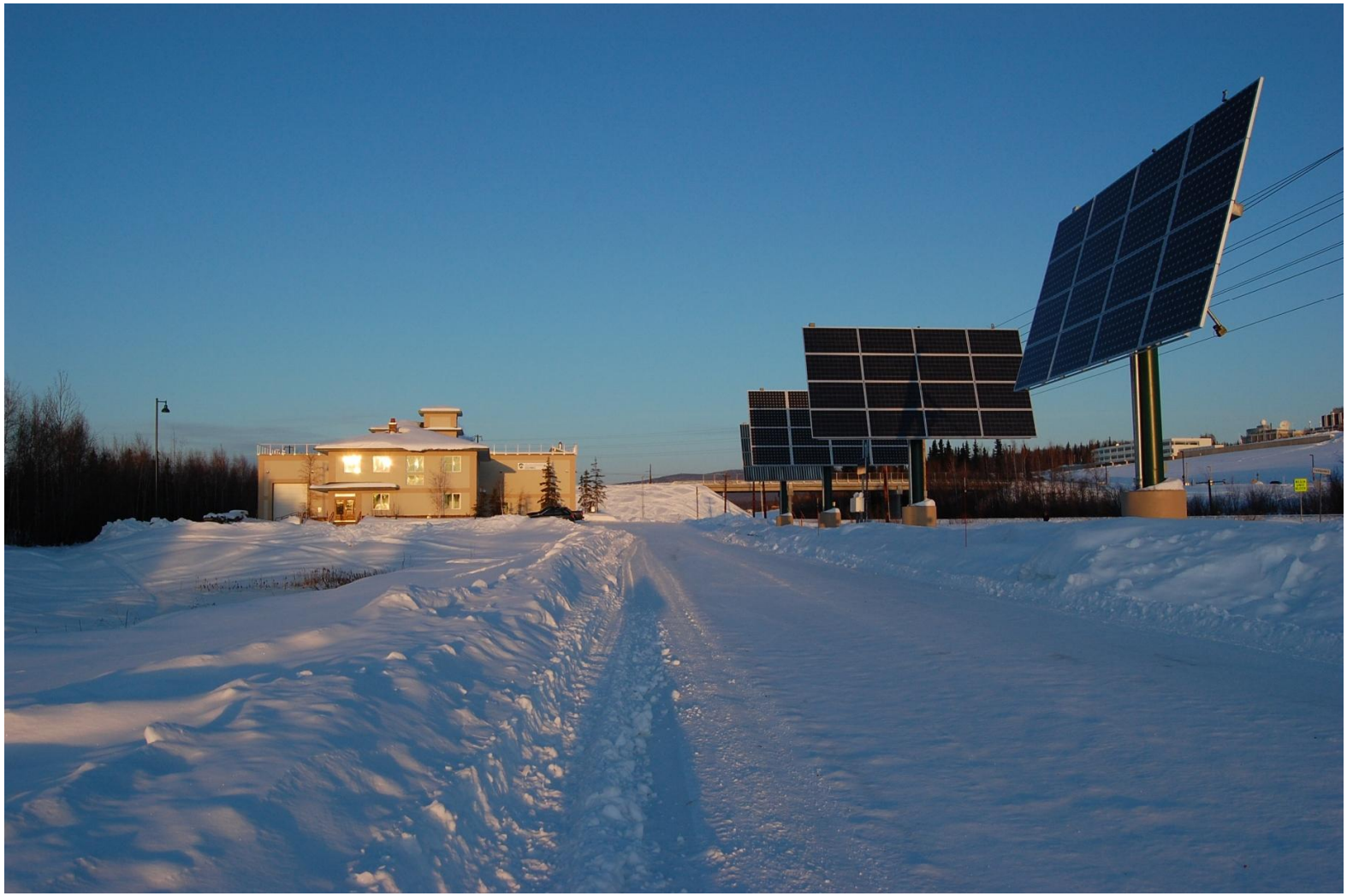

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HOW DO WE SOLVE PROBLEMS?

Understand the problem

- High Energy Costs in Some Public Facilities
- Budget Deficit
- Long-term Burden on State

Gather Information

- Benchmark
- Investment Grade Audits
- White Paper on Public Facilities

Identify Solutions

- REAL
- Standards
- Multi-stakeholder collaborations

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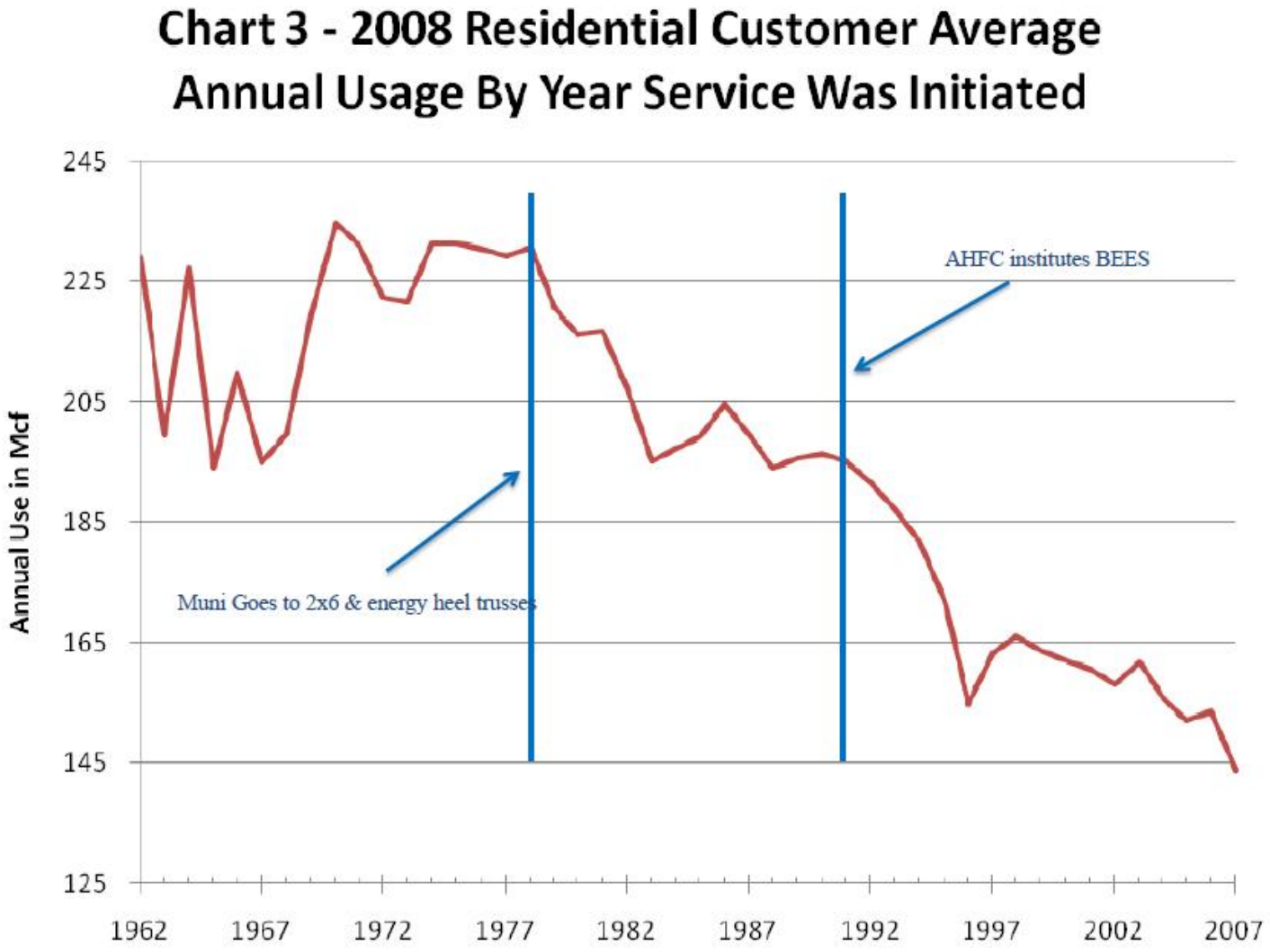
HOW ARE SOLUTIONS APPLIED?

Through Standards: Example from the Housing Industry



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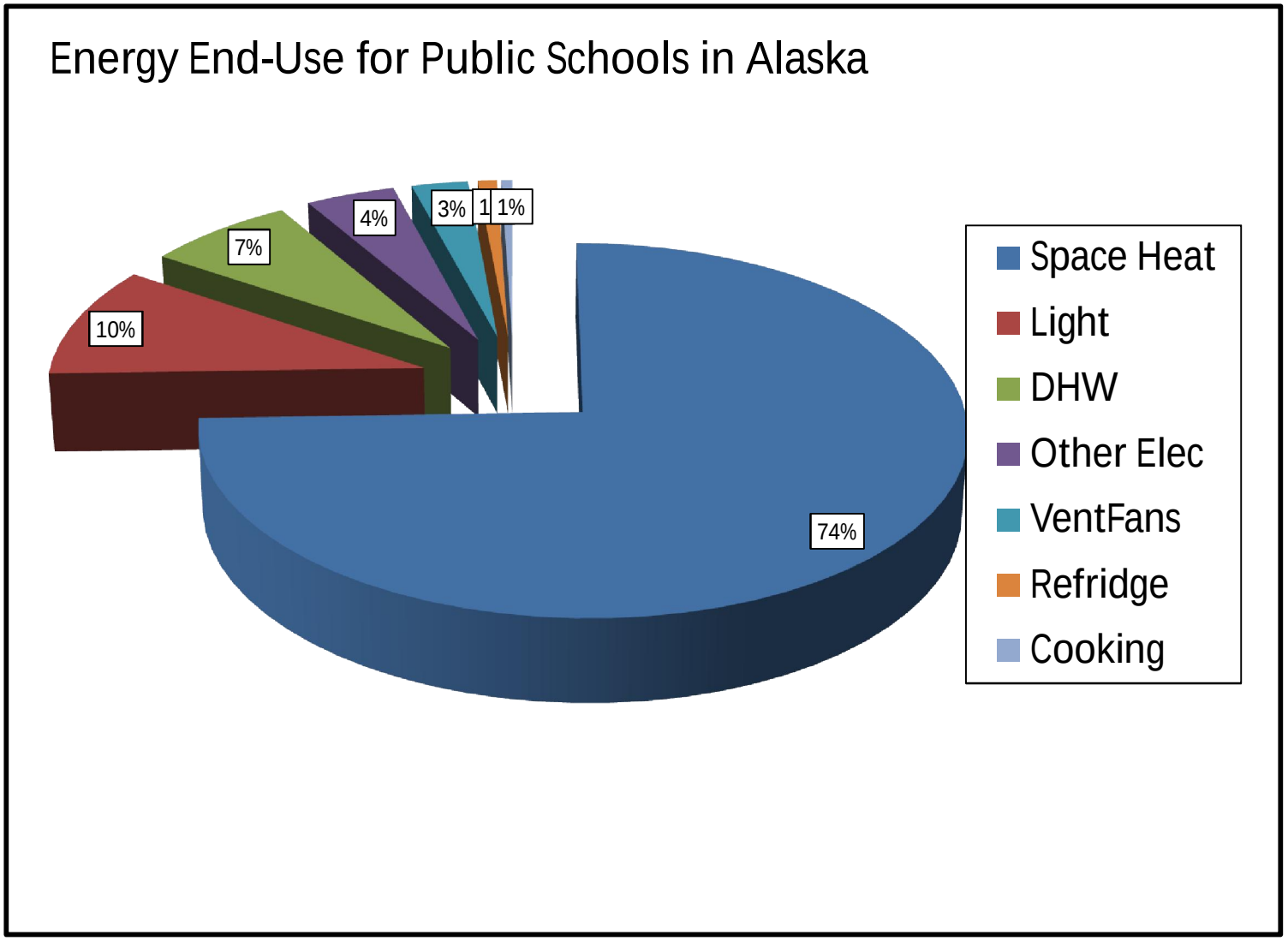
HOW DO WE SOLVE PROBLEMS?

Gather Information



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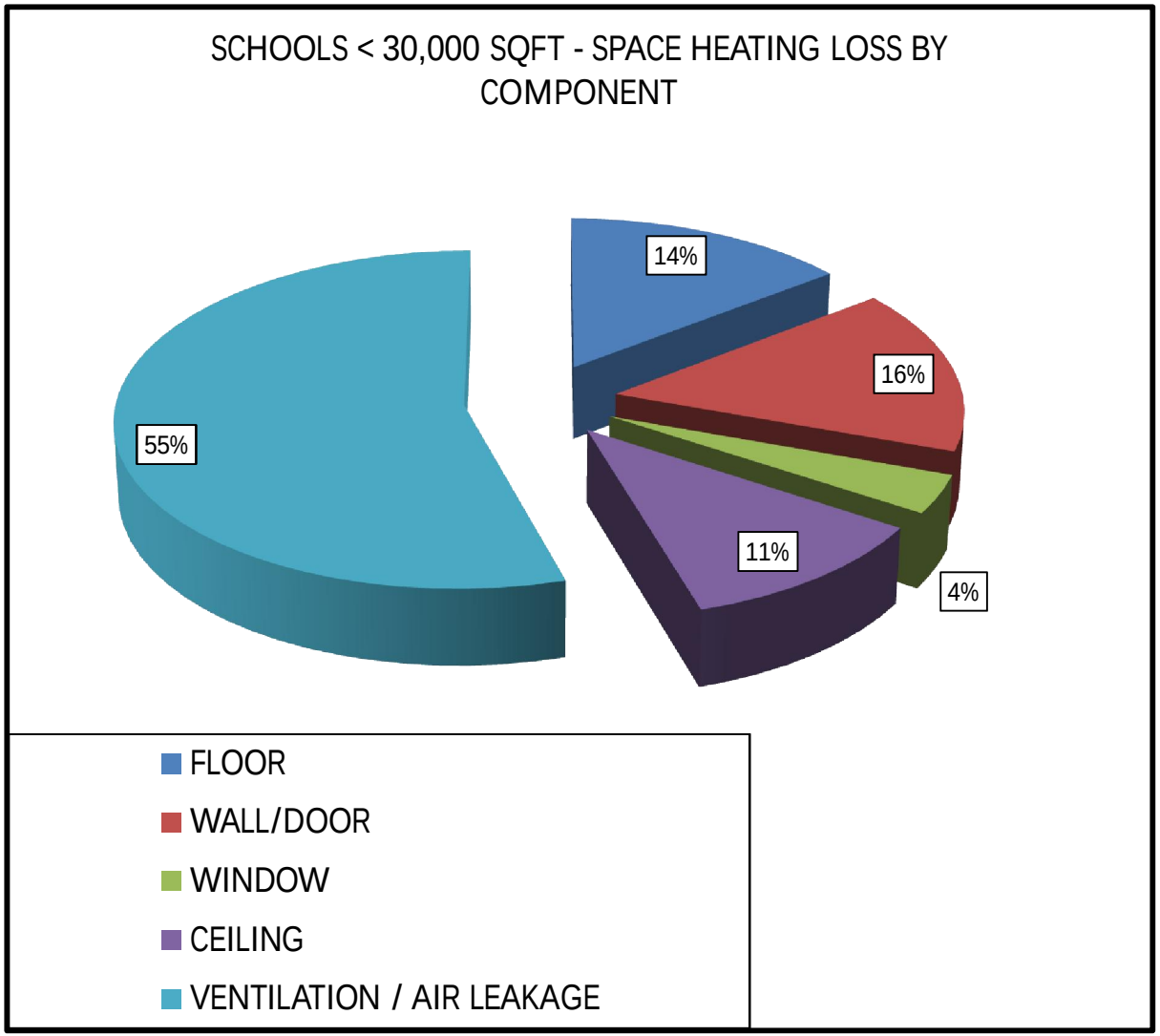
HOW DO WE SOLVE PROBLEMS?

Gather Information

Source of Heat Loss in Public Schools



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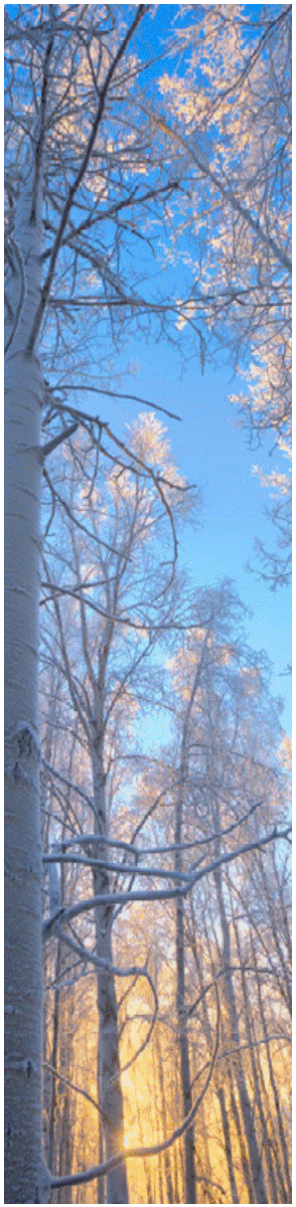
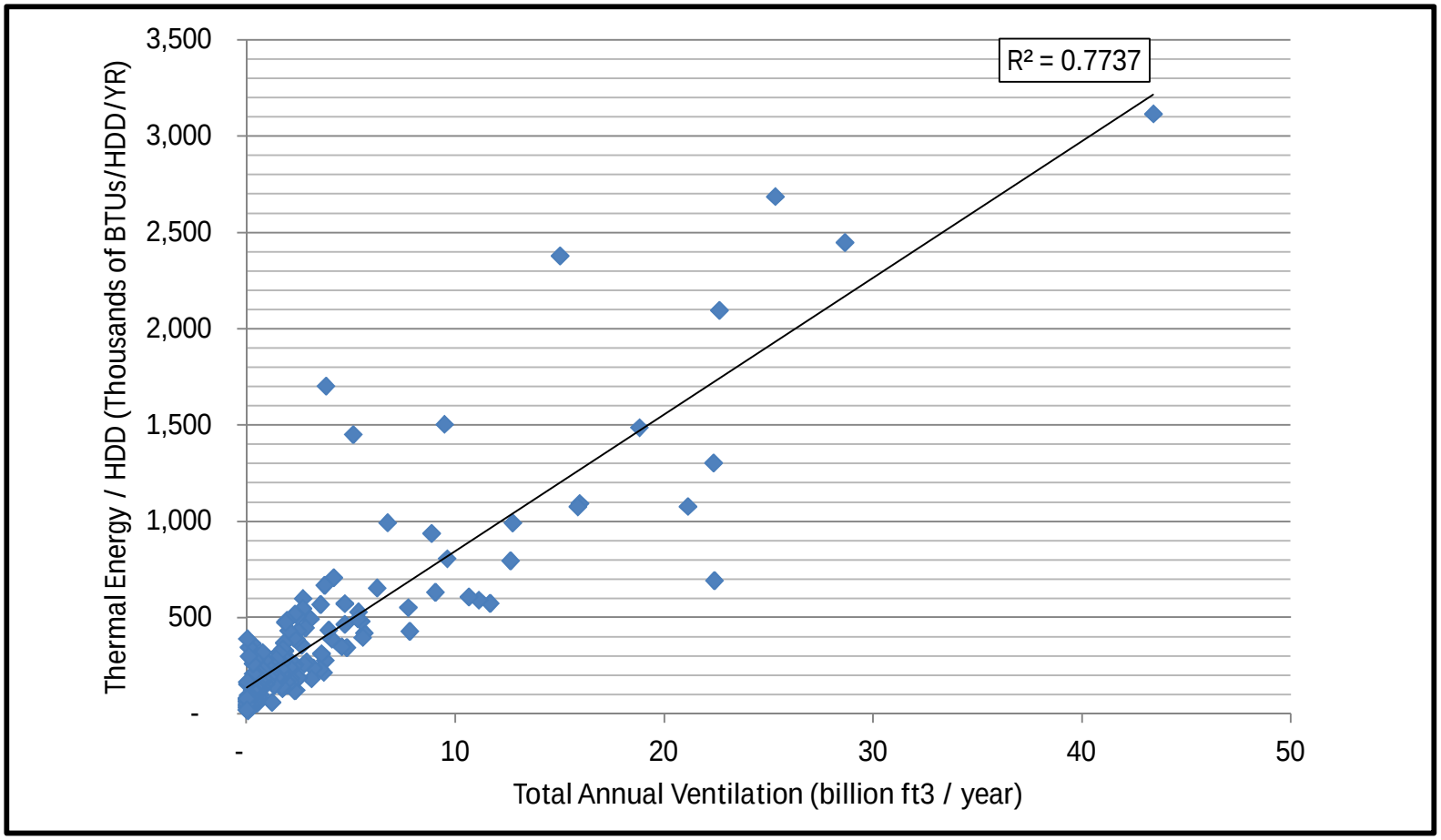


Ventilation is a Key Driver of Energy Use



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