

Sustainability Assessment

Business Name Frisco Day Lodge

Business Category Recreation

Street Address 621 Recreation Way, Frisco CO

Mailing Address PO Box 4100, Frisco CO

Green Champion Nora Gilbertson

GC email NoraG@townoffrisco.com

Notes: As an institution, the Town of Frisco has instituted great workplace policies regarding sustainability and sets an excellent example of what workplace sustainability looks like. However, compliance with these policies isn't as strong outside of Town Hall. There are some structural barriers that limit the environmental practices of the Day Lodge, however there still improvements that can be made. These improvements are mostly behavioral, which will require more emphasis on staff buy-in and staff training.

Top recommendations:

- 1. Properly seal doors so cold air doesn't enter the building
- 2. Replace existing lighting with LED bulbs and fixtures
- 3. Conduct an audit of all paper supplies purchased. For those that do not contain recycled content or are not made from renewable resources, look for alternatives from your preferred vendors. Purchase these alternatives as allowed by the town's purchasing policy. See suggestions below.
- 4. Design and utilize consistent recycling signage with pictures that demonstrate what is and is not recyclable. Post these at all trash and recycling locations. Periodically meet with staff to offer refresher courses in proper recycling.
- 5. Begin composting back-of-house. At the very least, compost coffee grounds.
- 6. Create signage to engage and educate guests about the sustainability practices in the building and in town
- 7. Use third-party certified cleaning products for general cleaning

Program Requirements:

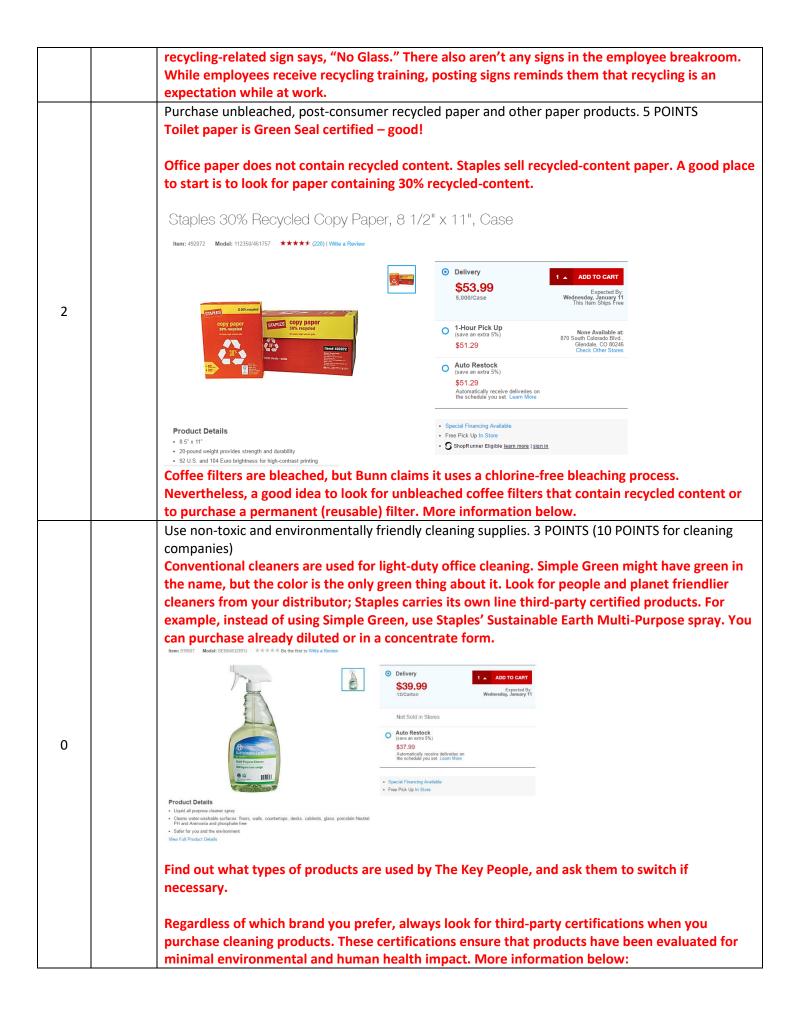
- Complete on-site sustainability assessment, including energy and lighting audit.
- Recycle newspaper, magazines, office paper, cardboard and co-mingled containers (plastic, glass aluminum).
- Educate your staff and customers about your environmental efforts and commitment.
- Display Frisco Clean Tracks decal.
- Identify and accomplish at least one new sustainable action that your business will achieve this year.

For HC3 Energy Audit Staff to complete

Built Er	Built Environment - Energy				
2		Use of occupancy sensors or timers where appropriate. 2 POINTS			
		These are relatively inexpensive to install and the rebate for a wall mount occupancy sensor from Xcel is \$30/sensor. A good rule of thumb is that each wall mount sensor will save you \$10 annually.			
5		Replace less efficient lighting with more efficient lighting. Points will be based on the percentage of lighting that is energy efficient. 10 POINTS			

	For Xcel lighting rebates and coaching:		
	Allyson Calderon Customer Service Representative		
	CLEAResult		
	Implementing the Xcel Energy Small Business Lighting Program		
	600 17 th St. Box38 Suite 400 Denver, CO 80202		
	(720) 548-1160 ext. 1807 Phone (720) 636-8396 Fax		
N	Replace incandescent or halogen lights with more efficient bulbs (CFL or		
	LED).		
N	Replace older (T-12-type, magnetic ballast) fluorescents with more efficient		
	fluorescents (T8 or T5, electronic ballast).		
2	Install programmable thermostats to maximize heating and cooling		
	efficiency. 2 POINTS		
1	Turn down water heater thermostats to 120 degrees F. 1 POINT		
6	When heating or cooling, do not prop doors open (if recommended in audit		
	as energy priority). 10 POINTS		
5	Install/maintain appropriate insulation (in attic, walls). Points will be		
	assigned as a percentage of completed insulation. Example: 20% of all wall		
	cavities including attic = 1 point. 5 POINTS		
2	Install/maintain appropriate air sealing (caulk/sealing/weather stripping		
	around windows and doors; sealing around connections to unconditioned		
	space, especially high and low in building). Points will be assigned as a		
	percentage of completed air sealing. 5 POINTS		
5	Restore historic windows. 5 POINTS		
5			
	Purchase Energy Star computers, monitors, printers, and other commercial appliances. 5 POINTS		
1	Minimize phantom load with smart strips. 1 POINT		
10	Upgrade mechanical equipment to high efficiency models. 92% Annual Fuel		
	Utilization Efficiency (AFUE) or better. 10 POINTS (15 POINTS for hotels,		
	lodges and property management companies)		
Water	Conservation		
	Use water conservation policies like installing low-flow fixtures on faucets/shower heads, replace		
1	old toilets with new low-flush toilets, or improve efficiency of existing toilets. 2 POINTS (5 POINTS		
1	for hotels, lodges and property management companies)		
	High efficiency toilets (1.28 gpf) are installed in bathrooms. Restroom sinks do not have aerators.		
	Communication of water conservation message. 2 POINTS.		
0	No water conservation messaging posted. Post signs to remind guests of water conservation		
U	strategies in the restrooms. What about the snowmaking equipment? Is it designed to be water		
	efficient? Post information so guests can read about your own water conservation efforts.		
NA	Install an auto shut-off device for sprinkler system. 2 POINTS		
NA	Set sprinkler system so that it runs outside the hours of 10 a.m. to 4 p.m. 2 POINTS		
Good N	eighbor policy		
	Business is invested and involved in local community. Examples include donating time or money to		
	local charities, encouraging employees to volunteer, offering training/workshops to employees or		
	other businesses in the industry on best practices regarding social and environmental		
3	responsibility, and/or social activism efforts to bring about changes in the industry that will benefit		
	the environment. 3 POINTS		
	The Town of Frisco offers grants to local organizations. Its Wellness Program includes		
	volunteering as one of its challenge activities.		
Sustain	ability Policy, Action Plan and/or Report		
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	Sustainability policy and/or action plan for monitoring the company's sustainability performance. Should identify the company's vision, sustainability objectives/goals, and is focused on continual improvement. 3 POINTS
	Policy or Plan should address at a minimum:
	a) business planning
	b) workplace practices
	c) employee engagement
3	d) environmental management
	e) supply chain management
	f) community and ecosystem impacts
	g) customer communications
	h) sector specific best practices
	Clean Tracks is the towns official sustainability platform. However, Clean Tracks should be
	updated to reflect actions accomplished 2009 – 2012 and provide a new set of next steps.
	Currently, the Town includes environmental messaging in its hiring paperwork. The Town also has a purchasing policy.
	nas a purchasing policy.
Guest a	nd Employee Education
	The company educates both customers and employees about the sustainability initiatives of the
	business. For example, the business provides training/literature on proper recycling and the
	importance of conserving water and energy. When guests arrive, the company informs customers
0	about their sustainability efforts. 3 POINTS
	At the Day Lodge, it would be a good idea to talk about the conservation ethic of the Town to let
	visitors know that these are values held by the town (create a social norm). It's also a
	good idea to include information on the Town of Frisco website talking about the
	sustainability measures practiced at the Day Lodge.
Green T	Team Team
2	Establish a green team (for small businesses may be one or two people). 2 POINTS
	TOF has a green team, and there is a representative from the Day Lodge on the team.
Transpo	
	Company uses vehicles that are hybrid/electric, get 40 mpg or above or runs on alternative fuel.
NA	10-15 POINTS (for businesses that have 1 to 5 vehicles - 10 POINTS) (for businesses that have 10 or
	more vehicles - 15 POINTS)
6	Participation in Green Commutes program and/or provide incentives for alternate commuting, flexible work arrangements, alternative transportation, walking or biking. 6 POINTS
6	TOF's Got Gas? Program should be considered a model for our community.
	Create a vehicle purchase plan that includes improvements to fuel efficiency or delivery reduction
NA	plan which limits the number of deliveries made and received. 2 POINTS (8 POINTS for companies
INA	that make deliveries)
	(Restaurants) Purchase and use local food.
NA	(Retail) Purchase retail items from local or fair-trade manufacturers.
	7 POINTS
Waste	Reduction
	Recycle newspaper, magazines, office paper, cardboard and co-mingled containers (plastic, glass,
2	aluminum). 5 POINTS
	All accepted materials are collected for recycling. Paper recycling bins are located behind the
	check-in desk. Glass is separated in the kitchen. However, the guest-use recycling bins lack good
	signage. Because contamination from guests is a problem, it's important to have signs that show
1	not only what is garbage, but also what should go in the recycling bin. Currently, the only



There are four generally accepted third party certifications. Green Seal, Eco Logo, Safer Choice (EPA), and USDA BioPreferred.

Green seal has developed life cycle-based sustainability standards for products, services and companies and offer third-party certification for those that meet the criteria in the standard. http://www.greenseal.org/FindGreenSealProductsAndServices.aspx

Eco Logo ensures only the top 20% of products on the shelf can be certified. http://www.environmentalchoice.com/en/

EPA's Safer Choice (formerly known as EPA Design for the Environment): https://www.epa.gov/saferchoice

USDA's BioPreferred – designed to promote bio-based products and reduce the use of petroleum-based ingredients.: https://www.biopreferred.gov/BioPreferred/faces/Welcome.xhtml

Examine purchasing policies for environmental impact. Purchase reusable, recyclable or compostable products such as dishes, utensils and hand towels. 5 POINTS

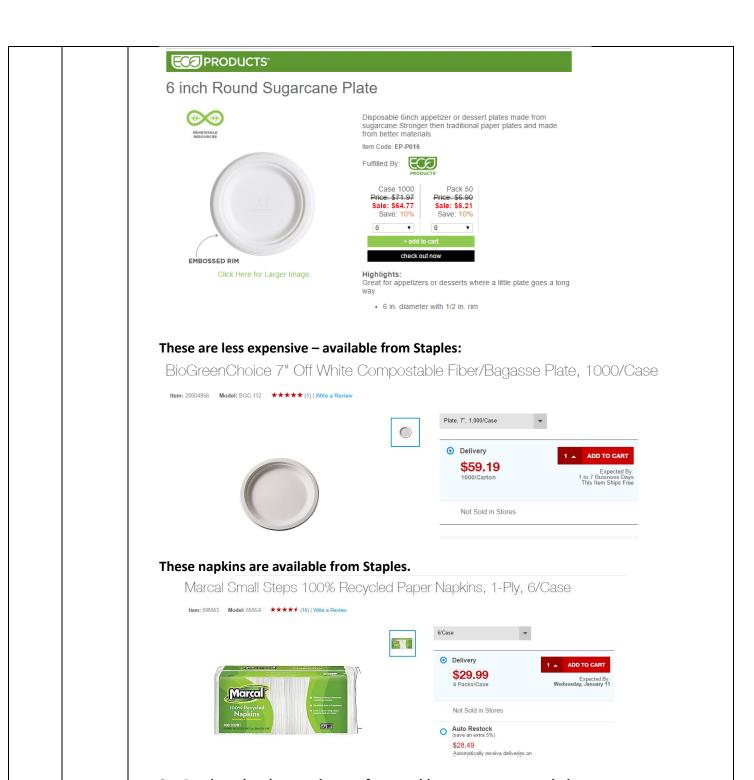
Employees receive free mugs and can get free drinks if they bring their mugs to work. There is a dishwasher in the kitchen for kitchen-use, but not for employee's own dishes. And even though there is a dishwasher, guest food is served on disposable plates. Right now, the Day Lodge is going through leftover compostable cold and hot cups. It also provides plastic stirrers and plastic cutlery which is not compostable/contains no recycled content. There is no water in the employee breakroom. While employees are responsible for their own utensils, cups, and plates, there are disposable items available to them in the breakroom. These structural issues pose challenges to using durable, reusable items in the Day Lodge. Here are a few suggestions for improvement – provide these items for guests AND staff:

Continue to purchase either compostable and/or recycled-content cups. Purchase paper
plates made out of renewable resources or recycled content. Purchase napkins with
recycled content. While we can longer compost these items, it is important to purchase
products made of renewable resources or recycled content – either of these choices are
better than purchasing products made out of virgin paper material.

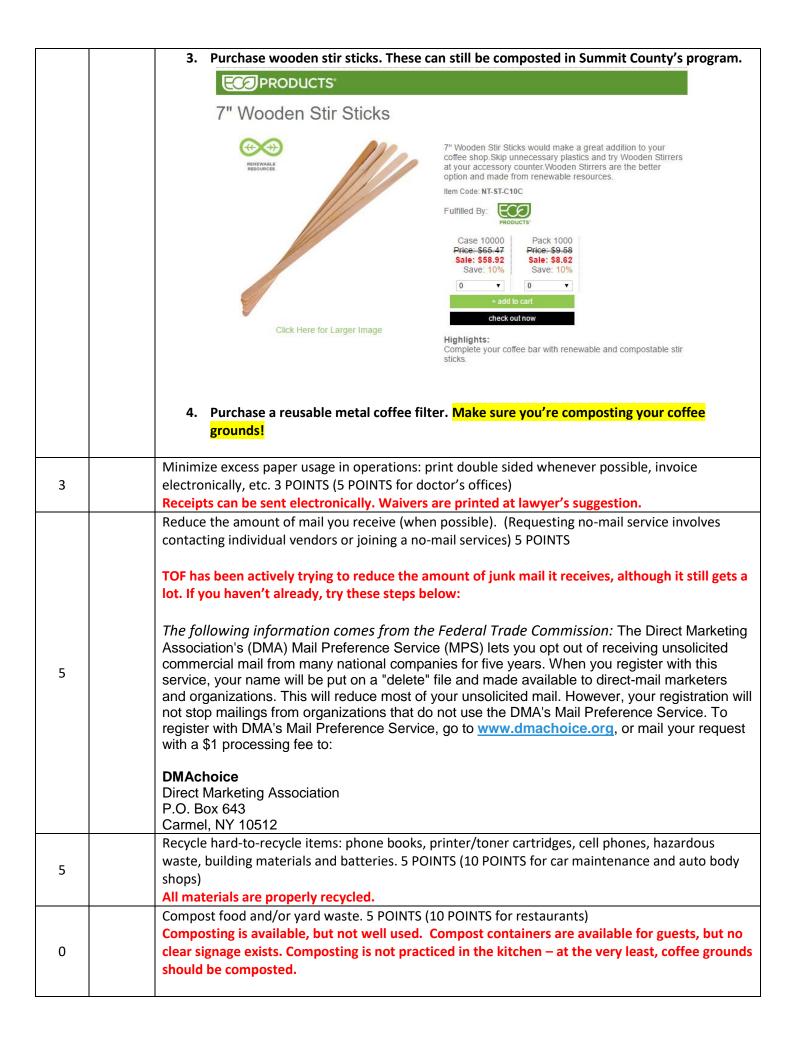
These plates are available from EcoProducts.com



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2. Purchased cutlery made out of renewable resources or recycled content.



Suggestion for improvement: Figure out where the majority of the Day Lodge's food waste is
generated, and concentrate on composting in that ONE location only.

Renewable Energy		
0	Install renewable energy system, or purchase share in local solar garden. 15 points reflects full offset of energy usage. 5 points is given for ANY offset by renewable energy, an additional 1-10 points given as a percentage of total offset. Example: 20% of total energy use offset = 7 points total; 5 minimum point allotment plus 2 for 20%. 15 POINTS Would be great to add solar!	
Audits		
5	Technical Energy Audit: An energy audit has been prepared by a qualified professional. The audit examines heating and lighting use in the existing business and makes recommendations on improvements that reduce energy consumption. 5 POINTS	
5	Sustainability Audit: A sustainability audit has been prepared by a qualified professional. The audit examines waste reduction, water conservation, transportation, and other business practices and makes recommendations on sustainable measures that can be implemented to enhance conservation efforts while improving the business bottom line. 5 POINTS	
83	Points Total (Out of 130)	



Energy Assessment Report

Provided by High Country Conservation Center



Frisco Day Lodge 621 Recreation Way Frisco, CO

Services Completed

Frisco Clean Tracks Commercial Energy Assessment



An Energy Audit will give you as a business owner an independent, third party perspective on how your building is performing and where to best spend money on efficiency upgrades. In addition to efficiency these upgrades will improve comfort, property value and the marketability of the building. HCCC uses the fees collected from your audit to further pursue our conservation mission in our mountain community. Another great way to invest in your business and home town!

The Recharge Colorado website states that the average energy (natural gas and electricity combined) costs for a healthcare business is \$2.51 per square foot. Please remember that an average building is not energy efficient. Follow the link below for small business energy tips from the Governor's Energy Office. http://rechargecolorado.org/index.php/commercial and public/small business resource/

We appreciate that you chose <u>High Country Conservation Center</u> to help you with your business's comfort, energy efficiency and safety. When approaching energy saving opportunities for a building of this scale it makes sense to target the most cost-effective issues first, then over time target the larger ticket items. It's important to keep in mind that energy improvements can take place over years or even decades. Whenever building improvements are made you should look for the energy improvement opportunities within that upgrade. This report will map out this process and detail those improvements.

Sincerely,

Cody Jensen
Energy Programs Manager
Certified Building Analyst Professional
Building Performance Institute (BPI)
cody@highcountryconservation.org



Top Priorities

Heating Fuel Priorities

1. Targeted Air-Sealing

2. Add wall insulation to cold spots

Electrical Priorities

1. Replace Lighting with LED Fixtures/bulbs

(These contractors are local and have been certified as Building Analysts by the Building Performance Institute)

070 460 2446	S 07	Comfort by Kodiak Dave Koons Retrofit Contracting
	d	About Saving Heat Dennis Brachfeld Retrofit Contracting
070 405 2227	1 07	Energy Smart Mark Anderson Retrofit Contracting
070 200 2440	t 07	Deeper Green Consulting Matt Wright Retrofit Contracting
070 452 5204	f 07	Innovative Energy Eric Westerhoff PV Solar Contracting
070 406 0450	s 07	Peak Building Services Tony Huggins Lighting Contractor
700 044 0004	S 72	EpicStar LED Scott Klohs Lighting Contractor

A list of other local contractors can be found on Governor's Energy Office website www.rechargecolorado.com as well as Xcel Energy's website http://hvacreducation.net/xcel-co/public_search.cfm

st Please see the appropriate section of the report for details on the recommended improvements.

^{*} HC3 does not guarantee the contractors' expertise or reputation; do not warrant any of the products or services installed. HC3 shall have no liability for contractors' work or negligence.



Heating Fuel Priorities

-Air leaks

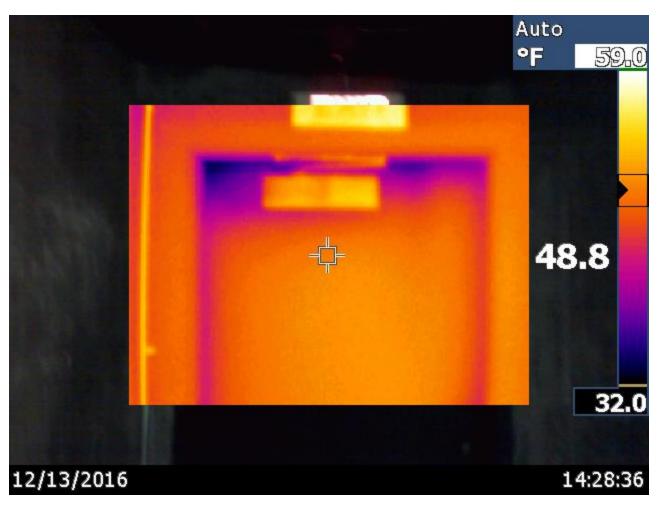
In Summit County's climate zone, air leakage may account for up to 40% of your overall heating costs. When performing air-sealing work on your business, we strongly recommend working with a contractor who will use a blower door to direct their air-sealing efforts. Without using a blower door, the contractor will not know whether they achieve your air leakage reduction goals. Be sure to discuss these goals before work begins.

AIR LEAKAGE		
Condition	Significant air leaks were: wall penetrations, door weather stripping, door sweeps. Other air leaks may include: bath vents, outlets / switches, baseboards, light fixtures, window trim, and wall top plates	
Improvements	Air-sealing improvements are some of the most cost effective ones you can perform. Even the smallest of air-leaks can add up to create an uncomfortable and energy inefficient work space. We recommend having your contractor: Plug gaps around pipes, ducts and wiring that go through walls, celings and floors with expanding foam. Caulk around window and door trim. Add weather stripping to doors. Seal all framing connections above foundation wall with expanding foam. Insert foam gaskets behind the outlets and install childproof plugs. *NOTE: cellulose and fiberglass insulation do not significantly reduce air leakage in attics! For gaps %" or less, use caulk. For larger gaps, use spray foam. It is important to perform a radon test before and after sealing leaks in your house to ensure that you are aware of unsafe radon levels, and can take action if needed. Air sealing includes caulking, using expandable foam and weather-stripping inside the thermal envelope including: doors, windows, plumbing and electrical penetrations, outlets covers, gaps, and dry wall cracks. It is important to perform a radon test before and after sealing leaks in your house to ensure that you are aware of unsafe radon levels, and can take action if needed. Build Tight and Ventilate Right. If improvements bring your air leakage to less than 35%, we recommend a mechanical ventilation system to improve indoor air quality. One relatively inexpensive ventilation option is to replace one or	
	expandable foam and weather-stripping inside the thermal envelope including: doors, windows, plumbing and electrical penetrations, outlets covers, gaps, and dry wall cracks. It is important to perform a radon test before and after sealing leaks in your house to ensure that your are aware of unsafe radon levels, and can take action if needed. Build Tight and Ventilate Right. If improvements bring your air leakage to less than 35%, we recommend a mechanical ventilation	

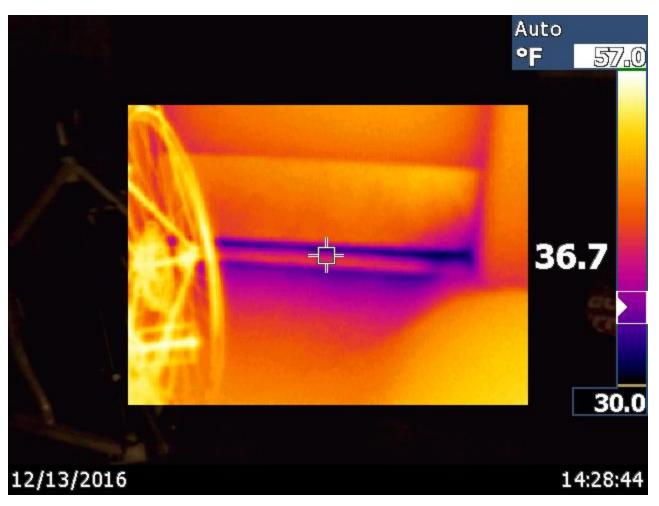


The Following Infrared images depict where cold air (indicated in blue/purple) is entering directly into your space. The modern construction of the day lodge lends itself to lower levels of air leakage. Trouble areas are largely relegated to the exterior doors throughout the property. These doors are often swinging open in heavy winds and form a poor air seal when closed. Improve the weather stripping around these doors and at the sweep.

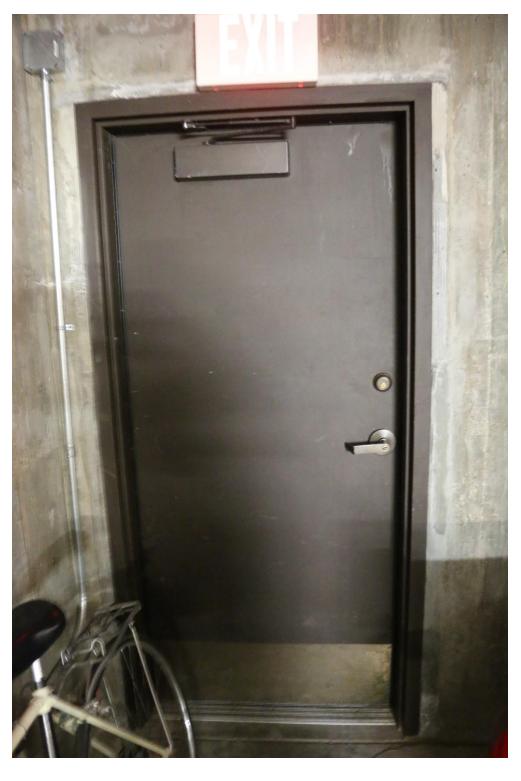




































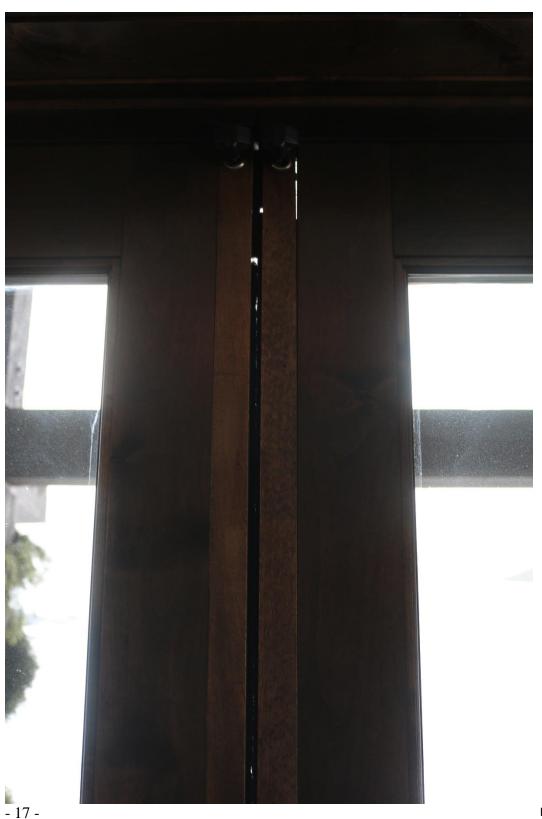














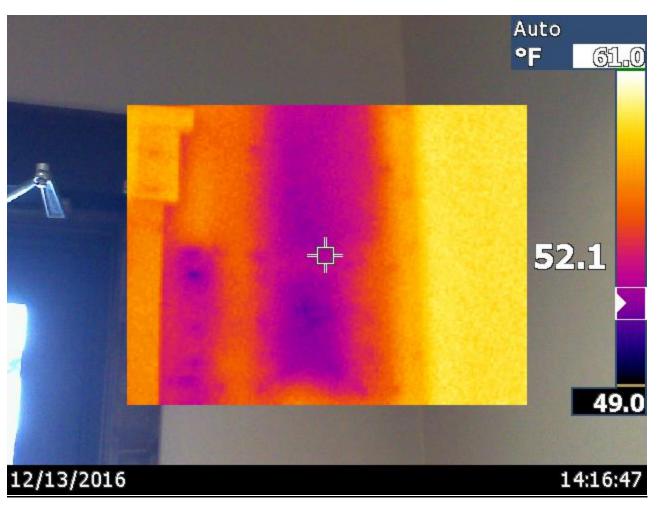




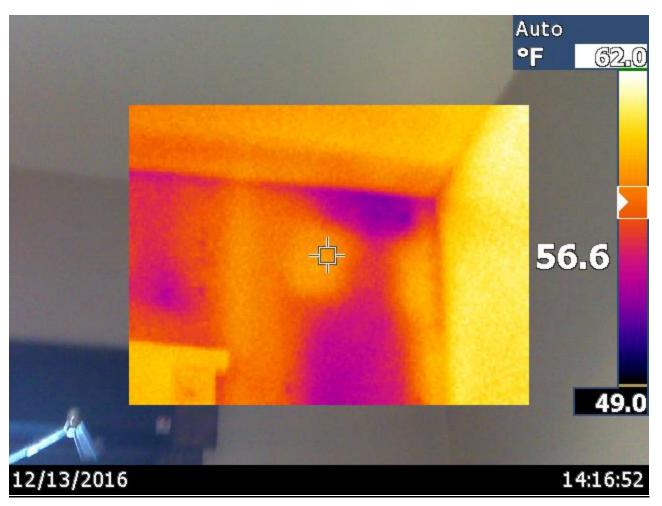
-Upgrade Lighting to LED Fixtures/Bulbs

Replace incandescent light bulbs Improve in-wall insulation in the areas pictured below. Install polyurethane expanding spray foam or blown-in-blanket (BIB) insulation to fill the wall cavity in these areas.

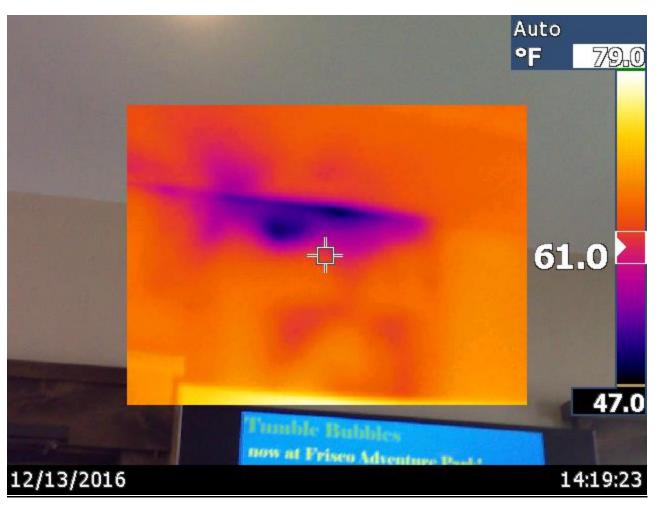




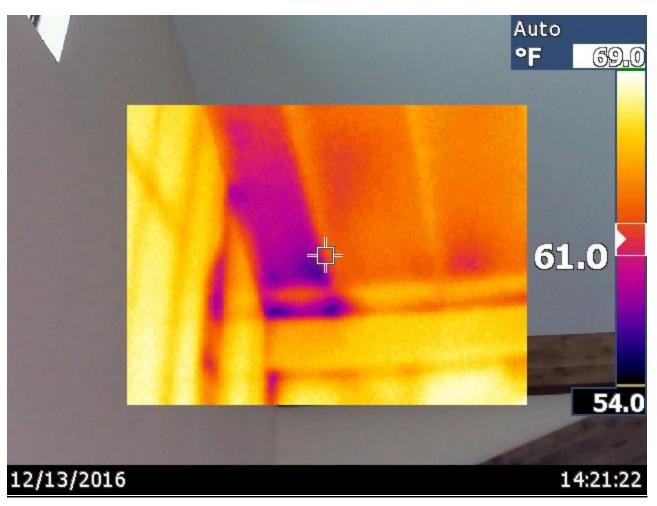




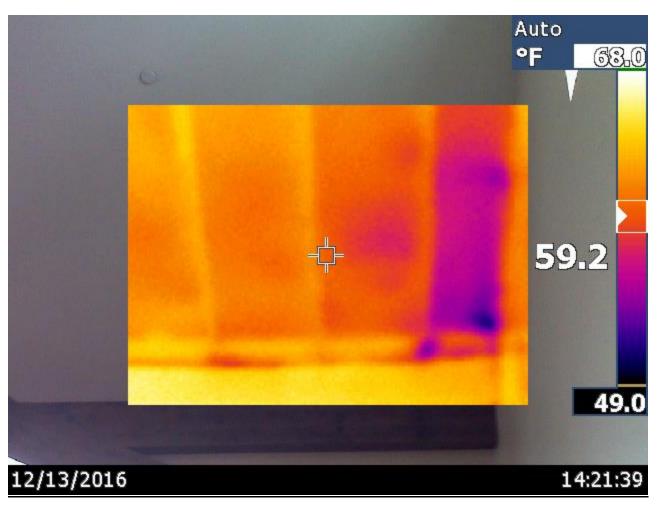




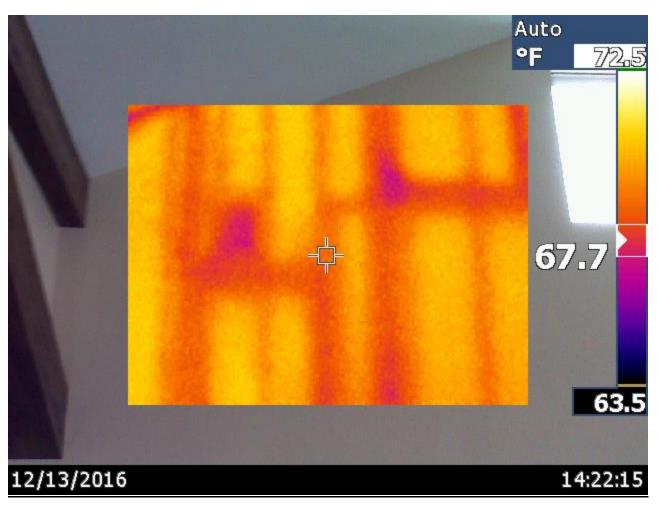














Electrical Priorities

-Upgrade Lighting to LED Fixtures/Bulbs

Replace incandescent light bulbs, fluorescent tubes, and even compact fluorescent light bulbs (CFLs) with modern LED lighting technology. LED lighting is far more efficient than the aforementioned lighting options. Additionally, LED lighting lasts longer than its counterparts and produces more stable light. For these reasons, LED lighting improvements often yield maintenance and staffing cost savings in addition to the direct energy use reduction savings. Coupled with powerful rebate incentives offered through local channels and Xcel Energy, LED lighting has become a cost-effective improvement any business should explore pursuing. Give HC3 a call to discuss next steps for a lighting upgrade at your business.

CleaResult may be able to offer free LED upgrades for the track lighting throughout your business. As for the fluorescent tube fixtures in the shop section of the business, we recommend replacing both the fixture and the tubes to modern LED lighting technology. Xcel energy can offer rebates for these retrofits as well. Contact HC3 to connect with one of our local lighting contractors.







