



Action Plan





Acknowledgments

Contributors to this report



Clean Tracks Stakeholder Task Force Members:

- Carly Wier, Director, High Country Conservation Center
- Jon Kinstad, Energy Services, High Country Conservation Center
- Heather Christie, High Country Conservation Center
- Christina McGrath, Blue River Watershed staff
- Cora McCold, Blue River Watershed staff
- Lisa Secco, Ecolutions
- Nate Purcell, Ecolutions
- Kathleen Kennedy, Director, Frisco Chamber of Commerce
- Eric Gill, Mountain Managers



Woody VanGundy, Mayor Pro-Tem, Town of Frisco



Town of Frisco, Community Development staff: Jocelyn Mills, Ryan McGee & Janine Snyder



Document drafted by:

Ecolutions, LLC

Dan Richardson LEED® AP, Senior Energy Consultant



e2 clean energy solutions



118 WEST 6TH STREET, SUITE 200
 GLENWOOD SPRINGS, CO 81601
 970.945.1004 / Fax 970.945.5948
 WWW.SGM-INC.COM



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Letter to the Community

February, 2009
To the Town of Frisco Community:

“Give me a place
to stand and
with a lever I will
move the whole
world.

- Archimedes

There has been a groundswell of interest in the clean energy economy both nationally and globally. The Town of Frisco is no exception as it has signed on to the U.S. Mayors Climate Protection Agreement, initiated several energy efficiency projects, and conducted a community-wide inventory of energy use and greenhouse gas emissions. In response to community interest and to build upon the Town's efforts, in 2008 a group of stakeholders was convened by the Town of Frisco to identify clean energy opportunities. Along with the expertise of Schmueser Gordon Meyer, the firm hired by Frisco to orchestrate this endeavor, the primary goal of the committee was to develop a roadmap for the Frisco community to move towards a local clean energy economy.

Communities (cities and towns), as a whole, are the largest energy consumers in the world, consuming roughly 75% of the world's energy. In 2006, the Town of Frisco spent approximately \$170,000 on energy. The Frisco community (commercial and residential sectors combined) is spending somewhere in the neighborhood of \$30 – \$50 million dollars a year on energy. This money leaves the economy immediately with little to no residual benefit. Through implementation of sustainable strategies, this money can be spent and invested in the local economy to create a clean energy economy.

Energy is the primary driver of the economy, and the **CleanTracks** Action Plan attempts to address all facets of Frisco's economy for clean energy opportunities. The plan is organized into three categories: business, government, and community; and each category identifies steps for implementation over the next three years (2009-2012). The steps are intended to reduce environmental impact, reduce utility bill spending, and to begin to build a local economy around efficiency, renewable energy, and a reduction of waste.

The action steps identified within the **CleanTracks** Action Plan are organized as the initial steps Frisco will need to implement from 2009 to 2012 in order to begin meeting the plan's carbon and energy reduction goals. Although more comprehensive steps will be necessary to achieve these aggressive carbon and energy reduction goals, the action steps in this first phase through 2012 provide the foundation for future actions.

Redirecting Frisco's energy future requires a completely different approach than business as usual, and the **CleanTracks** Action Plan develops a framework from which to define this approach. It is a 'living document' that will evolve over time. New technologies and changing conditions will likely lead to exponential growth in clean energy opportunities and therefore require the plan to be periodically revisited and updated.





Meeting the community carbon and energy reduction goals, and truly realizing a clean energy economy will require businesses, surrounding communities and individuals to fully engage in this effort. It is likely this will be the greatest challenge the community has faced in several generations, but the improved quality of life will likely far outweigh the effort. A clean energy economy will be an invaluable legacy for generations to come.

“The real power of a new, clean energy future is giving people a sense of power over their own lives. It is one thing to switch on a light. It is quite another to switch on a community’s sense of self-reliance and optimism.”

- Jay Inslee & Bracken Hendricks, Apollo’s Fire

We look forward to working together with the Town of Frisco and the community to take the steps necessary for a sustainable future; to implement the **CleanTracks** Action Plan.

Sincerely,

The Clean Energy Stakeholder Task Force Members:

Carly Wier
Jon Kinstad
Heather Christie
Christina McGrath
Cora McCold
Lisa Secco
Nate Purcell
Kathleen Kennedy
Eric Gill





CleanTracks Steps for Implementation 2009-2012

CleanTracks Community

- 1.1 Establish a **CleanTracks** Energy Tracking Tool(s) and Information Clearinghouse for Rebates and Incentives
- 1.2 Establish a 'Time of Sale' home energy audit program
- 1.3 Implement a **CleanTracks** Curriculum in schools
- 1.4 Promote community-wide reduce, reuse and recycle, and zero waste opportunities
- 1.5 Develop a Carbon Offset Program to facilitate local clean energy projects
- 1.6 Encourage a local food initiative

CleanTracks Government



- 2.1 Develop viable funding sources for clean energy projects
- 2.2 Continue to expand the Sustainable Building Code
- 2.3 Create a sustainable decision-making model for use by all levels of Town government
- 2.4 Establish renewable energy powered public buildings and demonstration projects
- 2.5 Continue to increase fleet fuel efficiency
- 2.6 Decrease vehicle miles traveled by promoting alternative modes of transportation and increased ridership of the Summit Stage
- 2.7 Encourage vehicle-to-grid power connection
- 2.8 Synchronize all signalized intersections along Summit Boulevard and promote reducing vehicle idling
- 2.9 Implement curbside recycling and pay-as-you throw trash incentive programs

CleanTracks Business

- 3.1 Develop a **CleanTracks** Business certification program
- 3.2 Develop a **CleanTracks** Efficiency Program for new and existing buildings
- 3.3 Encourage resource efficiency in second homes and throughout the tourism industry
- 3.4 Continue to increase fleet fuel efficiency
- 3.5 Develop a waste cooking oil initiative for its sustainable reuse locally

Sec 1. CleanTracks Mission & Vision



Frisco spends millions of dollars a year on energy costs, and this money leaves the economy immediately with little to no residual benefit. Yet through implementation of sustainable strategies, this money can be spent and invested locally thereby establishing the foundation for a local clean energy economy.

The mission and vision of the the **CleanTracks** Action Plan outline the parameters for Frisco's clean energy economy. It is the aim of the plan and its name brand and logo ("**CleanTracks**") to be available for all sectors of the community for both collective and individual efforts towards sustainability.

Mission

To become a model mountain community committed to clean energy solutions, economic vitality, and environmental stewardship through:

- ✓ Action
- ✓ Education
- ✓ Inspiration

Vision

To be an economically sustainable and socially responsible mountain community that is zero waste, clean energy independent, and carbon neutral.

Logo



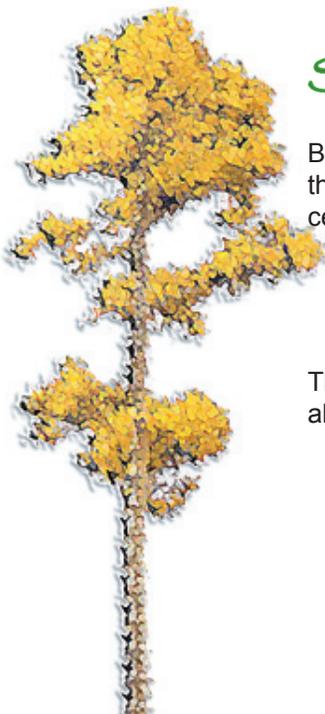
Sustainability: Globally & Locally

Becoming a sustainable community and establishing a local clean energy economy is the basis of the Town of Frisco's **CleanTracks** Program; to think globally and act locally. The most widely accepted definition of sustainability comes from the 1987 Brundtland Commission Report:

Meeting the needs of the present without compromising the ability of future generations to meet their own needs.

The International Council for Local Environmental Initiatives (ICLEI) provides a definition of sustainable communities:

A sustainable community is defined as one that maintains the integrity of its natural resources over the long term, promotes a prosperous economy, and hosts a vibrant, equitable society.





The **CleanTracks** Action Plan Steps contained herein outline initiatives and actions for the Town and community on opportunities to continue to progress toward sustainability. The plan puts Frisco on the path to clean energy solutions, economic vitality and environmental stewardship, without compromising future generations the ability to meet their own needs.

Background

Frisco Master Plan & Frisco Town Council Direction

Frisco's **CleanTracks** Program (formerly called Environmental Sustainability and Stewardship ~ ES2) began with direction from the 2006 Town Council to address environmental sustainability, and from citizen recommendations as identified in the 2005 Frisco Master Plan's Environmental Sustainability chapter. The goals per the Master Plan set the stage for the development of the Town' environmental program.

- ✓ Preserve Frisco's natural resources and environmental quality through promotion of sustainable development practices and compliance with environmental laws.
- ✓ Protect and preserve surrounding natural areas that contribute to and enhance the town's quality of life and mountain character.
- ✓ Promote energy and resource conservation by incorporating the use of resource saving techniques into daily routines.

Frisco's Environmental *CleanTracks* Policy

The 2006 Frisco Town Council adopted an Environmental Sustainability and Stewardship (ES2) policy in order to integrate environmental stewardship practices into Town operations and daily activities.

This policy puts forth the following key tenets:

- ✓ All decisions have environmental implications.
- ✓ Community awareness, responsibility, involvement and education are key elements to success.
- ✓ Frisco recognizes its local actions are linked to regional, national and global communities.
- ✓ The environmental issues most important to the community should be addressed first, and the most cost-effective program and policies should be selected.
- ✓ The Town is committed to procurement decisions that minimize negative environmental impacts.

Implementation of the Clean Tracks Action Plan furthers the direction provided by Frisco's ES2 policy.



Sec 2. Frisco's Global Warming Data and Goals

Frisco seeks to have a direct positive impact, to foster a culture of sustainability in the community and to serve as a leader and an example in the public sector. In the fall of 2006, the Frisco Town Council signed on to the U.S. Mayors Climate Protection Agreement, which sets significant greenhouse gas emissions reduction targets for cities and towns. Subsequently, in 2007, Frisco hired Climate Mitigation Services to undertake a greenhouse gas emissions inventory of the Town and community. Using the inventory information, and based on review of other entities climate action plan goals, the **CleanTracks** Action Plan sets forth the Town and community's goals for reducing Frisco's greenhouse gas emissions, a 5% reduction by 2012, a 20% reduction by 2020, and an 80% reduction by 2050. Along with the carbon reduction goals, the **CleanTracks** Action Plan sets forth energy reduction goals as well, a \$5M reduction in energy costs by 2012, and a \$75M reduction by 2020.

2006 Frisco Greenhouse Gas Emissions Inventory

The 2006 Town of Frisco Emissions Inventory serves as the baseline against which future progress in reducing emissions and energy spending will be compared. The report provided the following information:

- An inventory of the energy used, the money expended on the energy and the resulting greenhouse gas emissions for the year 2006.
- A projected "business-as-usual" (BAU) emissions trend line out to 2050 based on historical emissions data.
- An analysis of sector- and source-specific emissions.

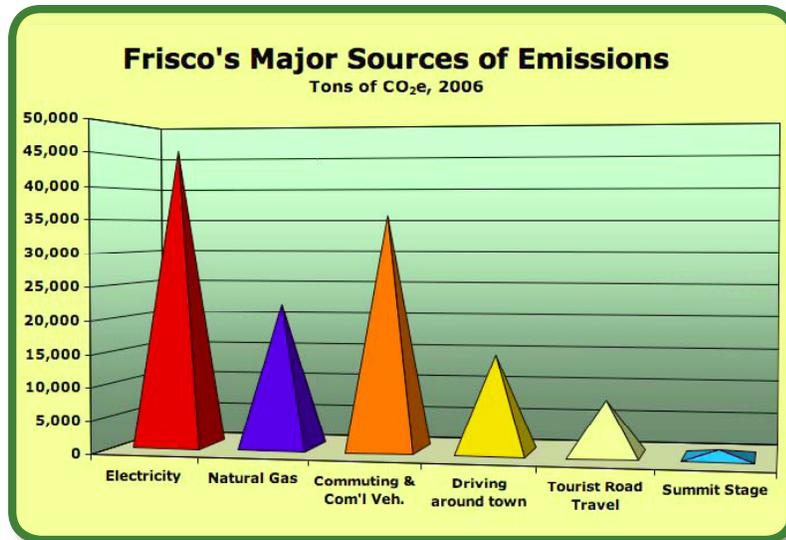
The inventory included data on electricity, natural gas and transportation fuel used. Some other sources of emissions included in the report are nitrous oxides and small quantities of HFC refrigerants. The following tables outline Frisco's baseline greenhouse gas emissions.

Table ES-1.

SOURCE	TONS CO ₂ e	PERCENT
Electricity (buildings)	45,580	35.4
Natural Gas & Propane (buildings)	21,963	17.1
Ground Transportation	60,793	47.2
Boat fuel, refrigerants, landfill, and N ₂ O	352	0.3
Total	128,698	100.0



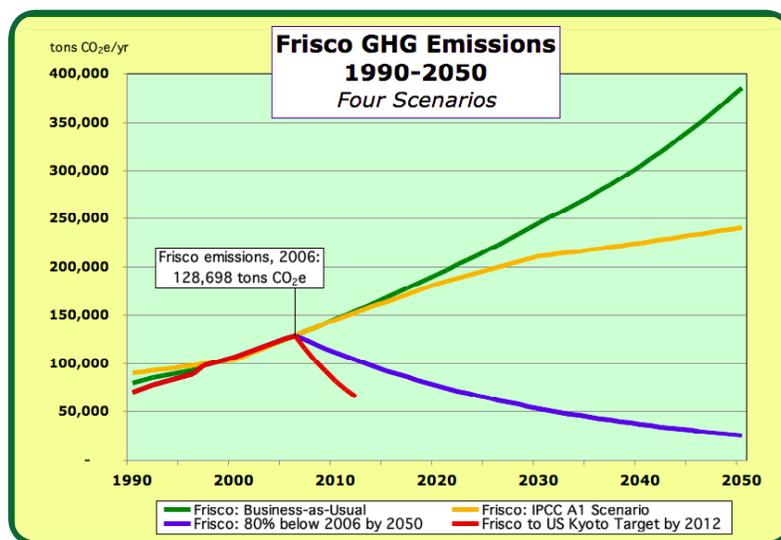
Figure ES-1.



Frisco emissions scenarios 1990-2050

The emissions inventory outlined various emissions paths for Frisco through 2050 in Figure ES-2. Red line shows meeting the Mayors' Climate Agreement by 2012: (a) an upper bound of Frisco's possible emissions path to 2050 (green line) and (b) the emissions target that is increasingly being adopted by progressive municipalities, states, and in federal legislation: reducing emissions by 80 percent below current emissions by 2050 (blue line). The upper bound, the "Frisco: business-as-usual" to 2050 represents Frisco's emissions path assuming no climate action is undertaken by the Town and community. It is based on the prevailing emissions growth rates seen in Frisco from 1990 to 2000 but moderated substantially by averaging those growth rates with the Intergovernmental Panel on Climate Change (IPCC)'s A1 scenario.

Figure ES-2



While based on actual local data of Frisco's population (which CMS assumes corresponds to energy used in buildings and facilities) and traffic (ditto for transportation fuel), the very high growth rates from 1990 to 2000 (in the range of 3+ to 4+ percent per annum) are clearly not sustainable out to 2050. For one, Frisco is land constrained, and construction and building area cannot continue at a 4.03 percent growth rate for long.



The results of the emissions inventory indicate that, like the rest of the United States, for Frisco to achieve the goal of emissions reductions, it requires a monumental, community-wide effort, perhaps unlike any before. Collaborative efforts between the public, private and non-profit sector, not to mention a fundamentally different perspective on how energy gets used and produced, is required.

Carbon and Energy Reduction Goals



The **CleanTracks** Action Plan provides the framework to achieve the recommended goals of reducing energy use and carbon emissions for the Town and Frisco community. There are three goals identified for the Town of Frisco, based on considerable stakeholder input and similar goals outlined for the State of Colorado. The first represents an immediate goal to help evaluate the effectiveness of this plan; the second represents a timeframe that allows time for full implementation, yet is near enough to measure significant progress; and the third goal is based on what scientists report as necessary to avoid catastrophic climate change from global warming. All of these will help the Town and community realize substantial reductions in energy costs, and associated energy reduction savings costs are also identified for each goal year.

Goal 1 ~ 2012

- ✓ 5% reduction of 2006 CO2 emissions by 2012
- ✓ Reduce community energy costs from 2009-2012 by at least \$5,000,000

Goal 2 ~ 2012 - 2020

- ✓ 20% reduction of 2006 CO2 emissions by 2020
- ✓ Reduce community energy costs from 2012-2020 by at least \$75,000,000

Goal 3 ~ 2020 - 2050

- ✓ 80% reduction of 2006 CO2 emissions by 2050

*Energy spending refers to the dollar value of transportation fuel, electricity and natural gas/propane used over one year, using the same methodology of Frisco's 2006 Greenhouse Gas Emissions Inventory.



Sec 3. Initiatives and Actions

The following identifies the three sub-categories and 20 steps of the **CleanTracks** Action Plan to be implemented within the timeframe of 2009 - 2012. Each step is listed within sub-categories to highlight responsibility for implementation. Although more comprehensive strategies and action items will be necessary to achieve all of the aggressive carbon and energy reduction goals, this first phase through 2012 is intended to provide a foundation for future actions.

To support the actions outlined below, and to aid in the success of the **CleanTracks** Action Plan, an implementation plan and monitoring plan are included in the appendix. The implementation plan identifies the responsible party for each measure, the measure's budget, projected dates for planning and implementation of each measure, and general notes. The monitoring plan articulates how progress for each measure will be tracked, and indicates how the 2012 and 2020 goals will be verified.

Likewise, the following steps address critical other steps that also will aid in the success of the CleanTracks program.

1. Engage critical participants for all measures and actions items.
2. Communicate the Implementation Plan with all community stakeholders and participants.
3. Formalize the Stakeholder Group and delegate board/committee responsibilities.
4. Launch an outreach campaign to inform the general public and visitors about **Clean Tracks**.
5. Engage the necessary expertise to respond to financing, tax implications, legal issues, etc. associated with any of the measures and action items.
6. Prepare an annual progress report and communicate it to stakeholders and the general public.

Action Step Rating

Each action measure or action step also has a rating of 0 – 4 symbols with 4 symbols being the highest, based on favorable impacts. The rating system is intended to provide a comparison of impacts between each measure only, and not to quantify its total impact.

Climate



the Economy



other Environmental Impacts



CleanTracks Community

- Climate 
- the Economy 
- other Environmental Impacts 

1.1 Energy Tracking and Information Clearinghouse



Creating a common platform for tracking energy use and CO2 emissions reductions is critical for any action plan. Equally important is providing readily accessible information and resources to inform the general public about what works and what's available locally.

- ✓ **Action a:** Explore the feasibility of using either a software-based tool such as EnergyCap/GreenQuest, or a customized spreadsheet version to establish a common platform to track and analyze public, businesses and the Town of Frisco government operations.
- ✓ **Action b:** Develop a web-based resource and outreach network to list financial and technical resources and keep it updated regularly. This could be a simple list with links or a comprehensive 'one-stop-shop' for as many resources available for **CleanTracks** projects.

1.2 'Time of Sale' Home Energy Audit Program



Integrating energy efficiency analysis (home energy audit) in the home inspection process before a sale is an extremely effective way to inform homeowners on what strategies would be cost effective for that specific home.

- ✓ **Action a:** Work with the real estate industry to implement a home energy audit and water efficiency assessment at the time of sale as part of the home inspection process.

1.3 Clean Energy Curriculum in Schools



Not only is educating children about clean energy important for their own success, but it has been demonstrated that children will also educate their parents and siblings as well, therefore accelerating the transition to a clean energy economy.

- ✓ **Action a:** Evaluate existing environmental/clean energy curriculum, if any, and develop a **CleanTracks** version for local schools. Identify a person/organization to implement the curriculum.



1.4 'Zero Waste' Opportunities



Solid waste is a huge cost to individuals, businesses, the government and the environment, with no benefit to quality of life. Aggressively pursuing 'Zero Waste' opportunities will pay large dividends in environmental stewardship.

- ✓ **Action a:** Develop an outreach program to encourage more recycling so that a higher percentage of waste is diverted from the landfill.
- ✓ **Action b:** Develop an outreach program to encourage reusable bags and/or eliminate plastic bags. The program could include a Town ordinance prohibiting plastic bags and/or stronger financial incentives for shoppers to use reusable bags.
- ✓ **Action c:** Continue existing practices of hosting 'Zero-Waste' events and expand the initiative to include a zero-energy or 'carbon-free' initiative.

1.5 Carbon Offset Program



A transparent, verifiable offset program has proven to be a very effective strategy to consolidate funding from businesses and individuals to clean energy investments. The Colorado Carbon Fund could greatly facilitate this project.

- ✓ **Action a:** Collaborate with the Town of Frisco, HC3, other non-profits, other municipalities and/or counties and the Governor's Energy Office to develop a mechanism to fund new local clean energy projects through the offering of voluntary, verifiable carbon offsets.



1.6 Local Food Initiative



The environmental impact from food that travels thousands of miles is clearly unsustainable. Developing a local food network can grow the local economy and significantly reduce the environmental impact of imported food.

- ✓ **Action a:** Develop an outreach program to encourage food that is locally harvested and/or raised (a 200 mile radius is ideal) and promote restaurants, caterers and grocery stores that offer it. Consider a community greenhouse and/or a local food cooperative.

CleanTracks Government

Climate



the Economy



other Environmental Impacts



2.1 Funding for Clean Energy

Funding a clean energy economy is an investment in a more sustainable future. The most successful approach simply redirects existing spending to cleaner alternatives, such as using savings from energy efficiency to invest in renewable energy.

✓ **Action a:** Evaluate the following opportunities as funding sources for *CleanTracks*:

Dedicate existing franchise fees collected by the Town of Frisco from utilities, similar to what the Town of Carbondale enacted.



A revolving loan fund.



An energy use fee for Town of Frisco government utility and/or transportation fuel accounts. A tax on itself, this would either generate a disincentive for energy use within Town operations or generate revenue to fund efficiency. For example, if a 10% surcharge (reserved for *CleanTracks* projects) was assigned for all Town of Frisco natural gas and electricity accounts, over \$10,000 (based on 2006 figures) could be available every year.



A system improvement fee and/or a system benefit charge on community-wide electricity, natural gas, and or water. This would be a fee collected by the utility, but dedicated for the purpose of reducing community energy demand, similar to what the City of Boulder enacted.



Utility incentive programs and grants.



A fee assessed on waste dedicated to waste diversion projects, similar to a system improvement fee.



The potential of a special district to fund clean energy projects as is now permitted through HB08 – 1350 and has recently been approved by Boulder County voters.



2.2 Expand the Sustainable Building Code



Buildings accounted for over 35% of CO2 emissions in Frisco in 2006. Likely half of the buildings that will exist in 2050 are not yet built. The existing code is the foundation upon which to build higher performance into these buildings.

- ✓ **Action a:** Review current building (and zoning) codes periodically and expand requirements to strive towards “zero energy” and more environmentally sustainable buildings.

2.3 Sustainable Decision-making in Town Government



Energy is the lifeblood of our economy. Therefore incorporating lifecycle impacts into all decisions and policies can allow for balanced solutions that have a net positive affect on quality of life.

- ✓ **Action a:** Implement a sustainable decision-making model, similar to Olympia Washington’s Sustainable Action Map (SAM) to ensure decisions and policies are consistent with and do not contradict **CleanTracks** goals. A successful decision model will help identify balanced solutions; will help decision-makers see the trade-offs and opportunities, not just pros and cons; will be simple and user friendly, easy to understand; and, will easily show the connections between seemingly unrelated things.

2.4 Renewable Energy Powered Public Buildings



The public benefit from public buildings powered by renewable energy is invaluable. It not only provides a local case study for implementation, it communicates a commitment to environmental stewardship and fiscal responsibility.

- ✓ **Action a:** Work to install PV and solar thermal systems, and or wind generated power on public buildings. Collaborate with public/private organizations to create community renewable energy demonstration projects.



2.5 Fleet Fuel Efficiency



Investing in a fuel efficient fleet is what's known as a 'solution multiplier' in that it reduces operating costs, improves productivity, lessens dependence on imported goods, and decreases pollution.

- ✓ **Action a:** Commit to purchasing vehicles within the top 10% of its class so that the average fleet fuel efficiency increases every year.

2.6 Alternative Modes of Transportation



Considering transportation accounted for over 47% of Frisco's emissions, equating to nearly \$19,000,000, a successful transportation demand management strategy can have a profound positive impact on both the economy and the environment.

- ✓ **Action a:** Develop a list of 'Vehicle Trip Reduction Strategies' and incentives for government employees for both business-related and commuting vehicle trips.
- ✓ **Action b:** Assemble a public/private partnership initiative with the purpose of providing information and resources to implement cleaner, safer, more efficient mobility options, such as transit, car-pooling, car-sharing, and other transportation demand management strategies.
- ✓ **Action c:** Advocate for more frequent Summit Stage bus service. Assist Summit Stage in identifying potential funding sources.
- ✓ **Action d:** Promote public/private partnerships to promote community-wide annual walk/bike to work events and expand these events to include alternative modes of transportation.

2.7 Vehicle-to-Grid Power Connection



It is becoming clear that electric vehicles will play a significant role in a clean future for both the transportation and electrical generation sectors. Increasing the use of electric-drive hybrid vehicles would not only reduce dependence on foreign oil, but these vehicles could also provide storage capacity to power the electric grid during the many hours of the day that they sit idle. This strategy would reduce the need to build new power plants to meet peak power demand and allow for greater use of renewable energy. There will be a need for infrastructure upgrades and the public sector will play a crucial role in the needed investment.

- ✓ **Action a:** When technology becomes available, advocate for and encourage Plug-in Electric Vehicles (PHEV) through Town of Frisco fleet procurement, preferred parking, providing charging stations, by pursuing 'Smart Garage' opportunities, and other effective incentives.



2.8 Efficient Driving and Vehicle Idling



Reducing vehicle miles is one way to reduce fuel use, but making driving more efficient will also help in this regard. Examples include synchronizing traffic signals, reducing vehicle idling and many other strategies.

- ✓ **Action a:** Work with CDOT to ensure all signalized intersections along Summit Boulevard are synchronized.
- ✓ **Action b:** Educate the community to promote reduced vehicle idling.

2.9 Curbside Recycling and Pay-as-You-Throw



Just like any other service, it only makes sense to pay for what you use. Many communities have demonstrated that if the volume of trash you disposed was linked to your monthly bill, and recycling was more convenient, solid waste is reduced considerably.

- ✓ **Action a:** Evaluate recycling incentives/regulations from comparable towns and implement the best fit. Examples include providing more recycling opportunities/facilities and/or 'Pay as You Throw' and/or mandatory curbside services regulation.

CleanTracks Business

Climate
the Economy
other Environmental Impacts



3.1 Business certification program



Americans thrive on competition. An engaging outreach program that provides useful information and boosts the competitive spirit amongst businesses has been very successful in towns like Ft. Collins and other places around the Country.

- ✓ **Action a:** Develop an environmentally sustainable business certification program consistent with **CleanTracks** mission and goals (e.g. Fort Collin's Climate Wise Program), which outlines specific requirements for each industry sector.
- ✓ **Action b:** Initiate an outreach program that recognizes/awards active businesses in **CleanTracks**.

3.2 Efficiency Program for new and existing buildings



As with most major market transformations, transitioning into a clean energy economy will likely require some initial incentives created by local, state, and/or the federal government in order to minimize disruption to the economy. These actions are intended for that purpose.

- ✓ **Action a:** Develop a program to discount CFL and LED bulbs/fixtures. Some entities have also banned very inefficient technology such as incandescent bulbs.
- ✓ **Action b:** Develop a program to discount energy ratings an amount equal to what the homeowners are willing to commit in energy efficiency upgrades.
- ✓ **Action c:** Develop local expertise and services in the energy efficiency retrofit, renewable energy, and alternative transportation sectors. Consider a Home / Building Energy Makeover contest as a way to jump-start this action.
- ✓ **Action d:** Develop a program to discount water-conserving fixtures and appliances for retrofits - such as low flow showerheads, toilets, dishwashers, and washing machines.

3.3 Resource efficiency in second homes and tourism industry



Hundreds of thousands of people pass through Frisco over the course of a year. Therefore Frisco is in a unique position to not only affect its residents and workforce, but all the visitors who travel through. This represents a giant lever with which to affect change around the world.

- ✓ **Action a:** Develop an outreach program tailored to second homeowners to encourage energy & water efficiency and recycling.
- ✓ **Action b:** Develop an outreach program tailored to restaurants, lodges, attractions and other tourism-related businesses to encourage energy & water efficiency and recycling. Examples include assisting restaurants reduce food scrap and container waste; assisting lodges to reduce packaging waste and assisting attractions reduce plastic bottle and packaging waste.

3.4 Fleet fuel efficiency



In the U.S. we spend roughly \$500,000 a minute to import oil from foreign countries. Purchasing fuel efficient vehicles is one of the better strategies to keep that money in our own pockets, so that it can strengthen the local and U.S. economy.

- ✓ **Action a:** Commit to purchasing vehicles within the top 10% of its class so that the average fleet fuel efficiency increases every year.





3.5 Waste cooking oil initiative



Several communities have capitalized on the often wasted resource of used cooking oil. Such efforts have led to reduced expenses for restaurants, job creation for entrepreneurs, and a reduced environmental impact.

- ✓ **Action a:** Assemble a stakeholder group to explore potential options, community interest and funding to collect, refine and reuse the oil.

Sec. 4 Next Steps

The **CleanTracks** Action Plan serves as the basis for coordinating business, community and government action steps to realize the mission and vision to become a local clean energy economy, and to reduce Frisco's carbon footprint and energy related costs. It is going to take coordination and cooperation between all sectors of the Frisco community, and a new approach to 'business as usual'.

The plan is a 'living document' that will continue to evolve over time. It currently identifies the initial action steps for implementation from 2009 to 2012. The intent of the **CleanTracks** Action Plan is for it to be reviewed and updated every 3 years. This will enable the Town and community to track and evaluate progress, and identify future steps needed to continue to promote Frisco's sustainability.

Meeting the community carbon and energy reduction goals, and establishing a clean energy economy will require Frisco town government, community leaders, businesses, and residents to fully engage in this effort. It will likely be the greatest challenge the community has faced in several generations but the improved quality of life will likely far outweigh the effort. A clean energy economy will be an invaluable legacy for generations to come.



Appendix



Clean Tracks Action Plan			Implementation Plan			
	Measure / Program	Lead Entity	2009 Budget	Begin Date	End Date	Notes
Clean Tracks Community						
1.1	Energy Tracking and Information Clearinghouse	HC3	\$ 1,000			Information will be posted on the Town's website & market/advertise to the community to go to the website, etc
1.2	'Time of Sale' Home Energy Rating	HC3		2011		2009- HC3 will conduct training for home energy raters.
1.3	Clean Energy Curriculum in Schools	Jocelyn Mills (ToF)		2011		2009 – will work to set meeting with School District on concept.
1.4	Zero Waste' Opportunities	Heather Christie (HC3)	\$ 2,000			Information will be posted on the Town's website & market/advertise to the community to go to the website, etc.
1.5	Carbon Offset Program	HC3	\$25,000	Spring 2009		
1.6	Local Food Initiative	Heather Christie (HC3)		Spring 2009		Task force members are working with Silverthorne community gardens as well as promoting during Dillon Farmer's market.
Clean Tracks Government						
2.1	Funding for Clean Energy	Town of Frisco attorney	\$ -	2010		2010 – Encourage the Town to consider allocating Xcel franchise fees for clean energy projects.
2.2	Expand the Sustainable Building Code	Janine Snyder (ToF)	Refunds of plan reviews	2009		Council approved updates to continue to expand the program for 2009 through points, etc.
2.3	Sustainable Decision-making in Town Government	Jocelyn Mills (ToF)		2009		Review Olympia Washington's Sustainable Action Map (SAM) to consider use when developing 2010 budget.
2.4	Renewable Energy Powered Public Buildings	Town of Frisco Facility Management	\$ 1,000	Fall 2009		EMC energy audit for the Town outlines retrofitting the outdated solar system on Town Hall, work is anticipated to be done this summer.
2.5	Fleet Fuel Efficiency	Town of Frisco Fleet Management	See TOF Budget	2009		Town policy is to consider the most efficient vehicle as appropriate for turn-over replacements
2.6	Alternative Modes of Transportation	(ToF)		2009		2011 goal is to establish a community ride-share program. 2009- continue to promote alternative transportation via Bike to Work Day
2.7	Vehicle-to-Grid Power Connection	Town of Frisco Public Works				2012 goal to consider as technology is available

2.8	Efficient Driving and Vehicle Idling	Town of Frisco Public Works				Continue to monitor and address as appropriate. Signalized intersections are controlled by CDOT and are synchronized.
2.9	Curbside Recycling and Pay-as-You-Throw	(ToF)		2009		2009- TOF to support concept in county-wide discussions on these programs.
Clean Tracks Business						
3.1	Business Certification Program	HC3	\$ 1,000			HC3 developing a county-wide sustainable business certification program. It will be called Clean Tracks Business in Frisco.
3.2	Efficiency Program for New and Existing Buildings	Janine Snyder (ToF)	Refunds			Continuing to provide incentives for existing buildings to upgrade/retrofit with more efficient systems with a refund of plan review fees.
3.3	Resource Efficiency in Second Homes and Tourism	Eric Gill (Mountain Managers)				Working to establish incentives and concepts of recycling into short-term rentals, etc. May use the format of HC3's business sustainable checklist and convert into a residential format for rental properties.
3.4	Fleet Fuel Efficiency					HC3's business sustainable checklist includes information on fleet fuel efficiency for businesses to consider.
3.5	Waste Cooking Initiative	Heather Christie (HC3)				HC3's business sustainable checklist includes information on fleet fuel efficiency for businesses to consider.

Clean Tracks Action Plan		Monitoring Plan
	Measure / Program	Methodology
Clean Tracks Community		
1.1	Energy Tracking and Information Clearinghouse	Conduct annual survey of community; track annual community energy use, CO2 emissions and economic energy intensity; repeat community inventory for 2012 and 2020.
1.2	'Time of Sale' Home Energy Rating	Conduct annual survey of home buyers; track annual community residential energy use/CO2 emissions; track annual spending on weatherization/efficiency.
1.3	Clean Energy Curriculum in Schools	Conduct annual survey of students/teachers/parents; track annual community energy use/CO2 emissions; track career status of graduates.
1.4	Zero Waste' Opportunities	Conduct annual survey of haulers & businesses; track annual recyclables, waste and landfill emissions.
1.5	Carbon Offset Program	Once created track dollars invested into clean energy, CO2 reductions as a result (use \$/ton metric); track offset market penetration.
1.6	Local Food Initiative	Track number of local food suppliers/growers; track annual spending on local food.
Clean Tracks Government		
2.1	Funding for Clean Energy	Track annual dollars invested by public and private sector and the amount of time/money required to acquire funding.
2.2	Expand the Sustainable Building Code	Conduct an annual survey of homeowners and builders on improvements made; conduct third-party audit of SBC by inspecting finished buildings.
2.3	Sustainable Decision-making in Town Government	Conduct survey of staff/council/citizens; track Town CO2 emissions quarterly.
2.4	Renewable Energy Powered Public Buildings	Track installed renewable energy capacity & Town CO2 emissions annually.
2.5	Fleet Fuel Efficiency	Track average fleet fuel efficiency annually; track totals gallons used and total CO2 emissions annually.
2.6	Alternative Modes of Transportation	Conduct an annual survey of Town staff and the general public; track total Town and community vehicle miles and CO2 emissions, and transit passenger miles annually.
2.7	Vehicle-to-Grid Power Connection	Prepare a narrative summary of progress annually.
2.8	Efficient Driving and Vehicle Idling	Track total community vehicle miles and CO2 emissions annually.
2.9	Curbside Recycling and Pay-as-You-Throw	Conduct annual survey of haulers, businesses and citizens; track annual recyclables, waste and landfill emissions.
Clean Tracks Business		
3.1	Business Certification Program	Track participation, specific actions of businesses, and annual CO2 emissions by sector.
3.2	Efficiency Program for New and Existing Buildings	Conduct annual survey of building owners and property managers; track annual community commercial building energy use/CO2 emissions; track annual spending on weatherization/efficiency.
3.3	Resource Efficiency in Second Homes and Tourism	Conduct annual survey of second homeowners and property managers; track annual community residential energy & water use/CO2 emissions; track annual spending on weatherization/efficiency.
3.4	Fleet Fuel Efficiency	Conduct an annual survey; track totals gallons used and total CO2 emissions annually.
3.5	Waste Cooking Initiative	Prepare a narrative summary of progress annually.

Tracking Methodology Notes:

Collecting annual energy use information: For the 2006 Emissions Inventory, electricity and natural gas information was collected through Xcel Energy. An agreement should be established so that annual data can be submitted to the Town. This agreement can be stand alone or through the Franchise Agreement. The methodology should be identical to the methodology used and explained in the 2006 Emissions Inventory. The 'carbon intensity' for each fuel per unit of energy should also be reported by Xcel. Tracking annual vehicle miles via traffic counts should also be conducted using the same methodology in the Inventory. Town government energy use and CO2 emissions will be tracked quarterly with the Energy Tracker.

Repeating the inventory: To measure progress on the goals, the Emissions Inventory will need to be conducted again for the years 2012 and 2020. It is critical that the same methodology be used. The Inventory reports could then use the annual data collected between 2006 and 2012/2020 to report whether the goal was met or not. In addition to greenhouse gas emissions, community wide spending on energy will also need to be included in the Inventory, in order to measure progress on the financial component of the goals.