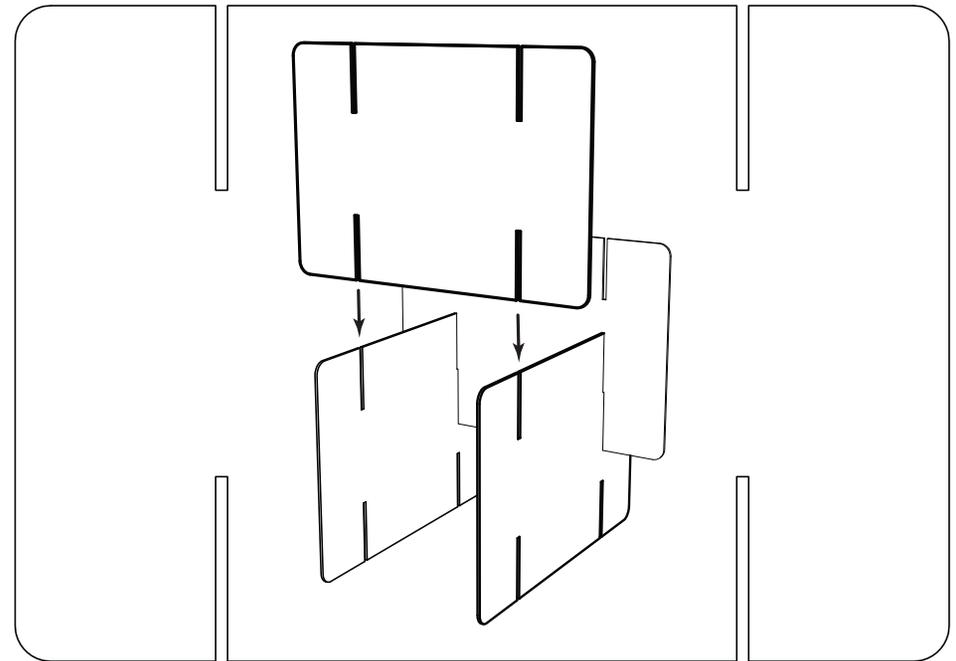


DIRECTIONS

FRONT

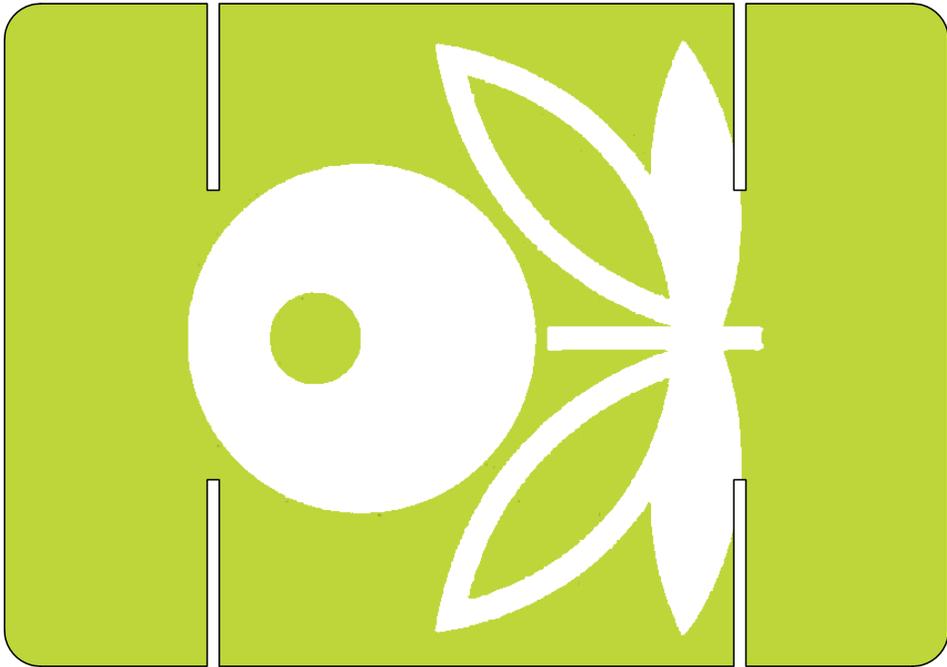


BACK

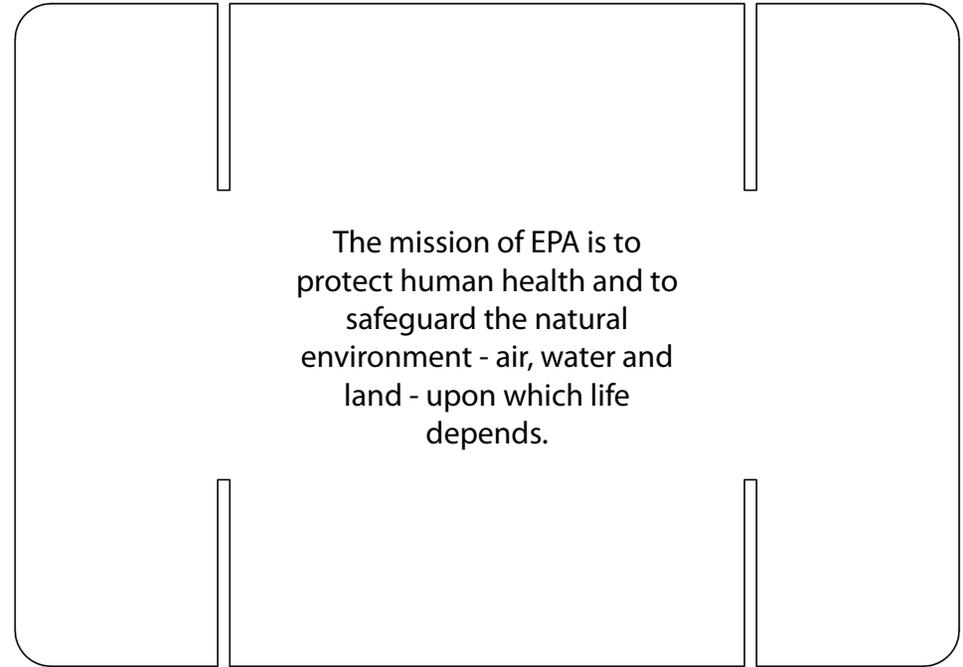


AGENCY MISSION STATEMENTS

FRONT



BACK



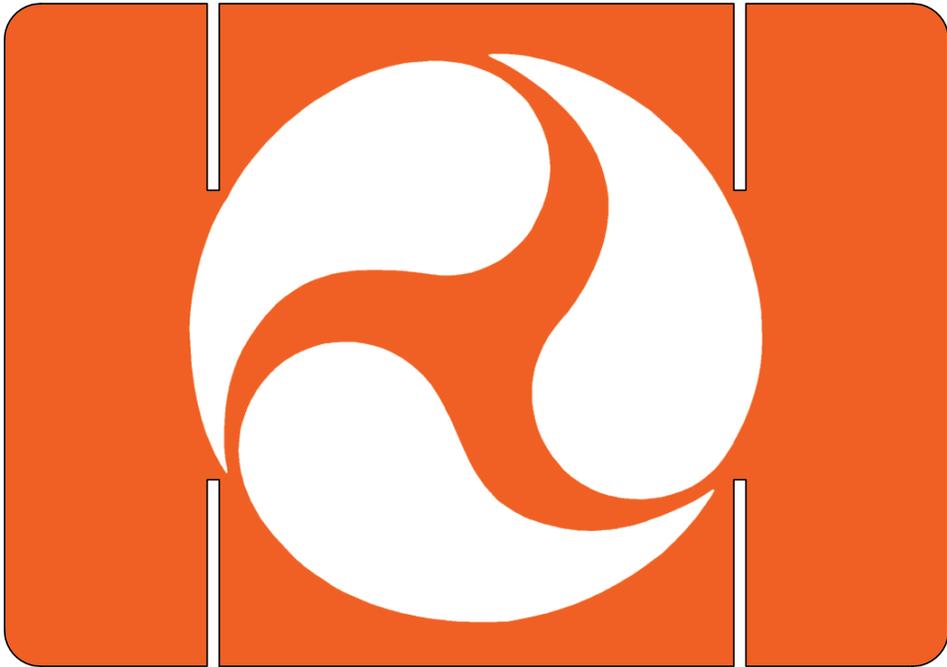
FRONT



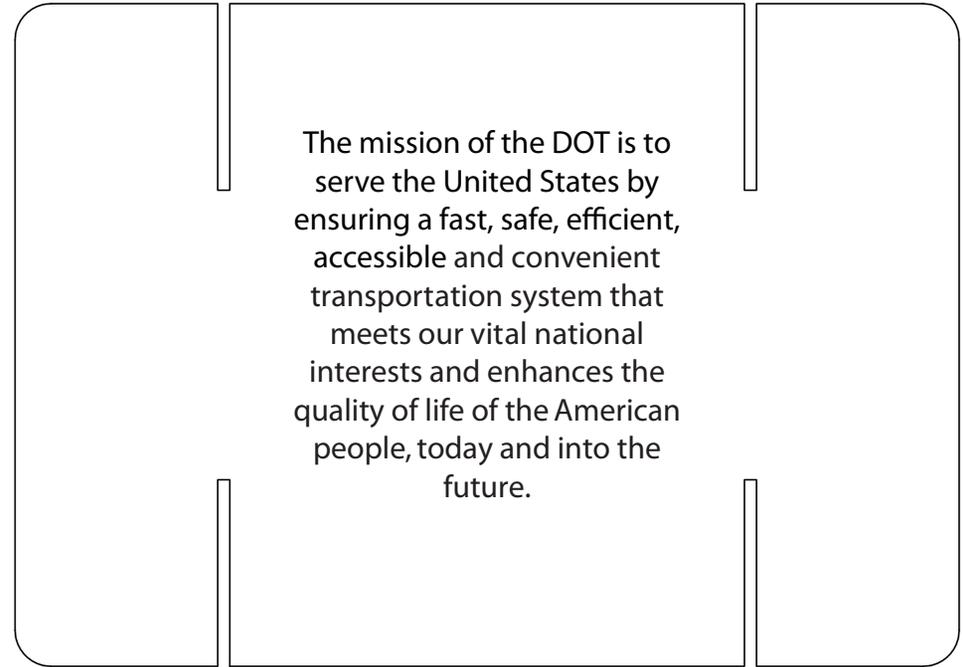
BACK



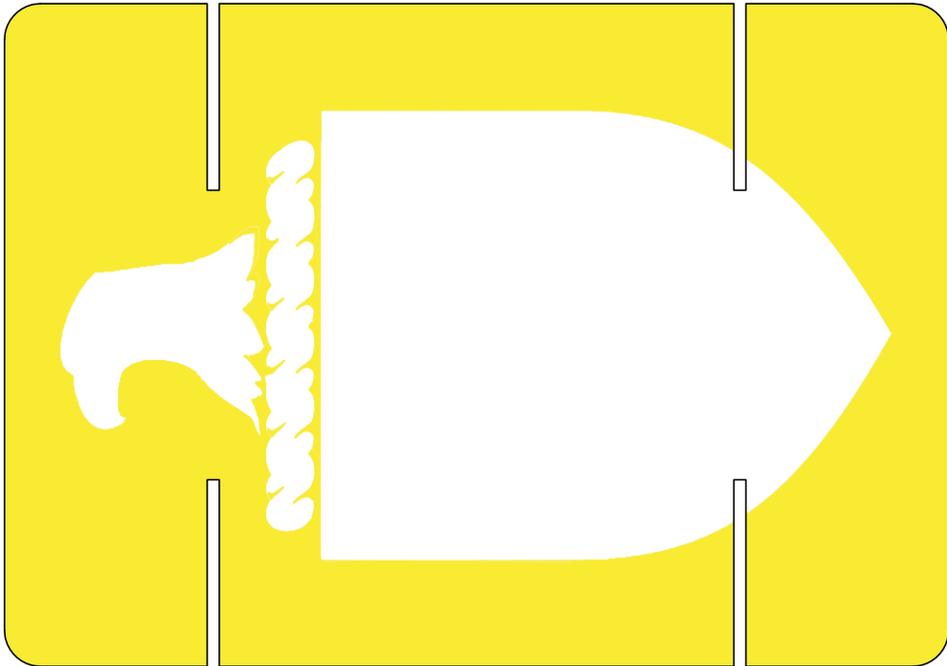
FRONT



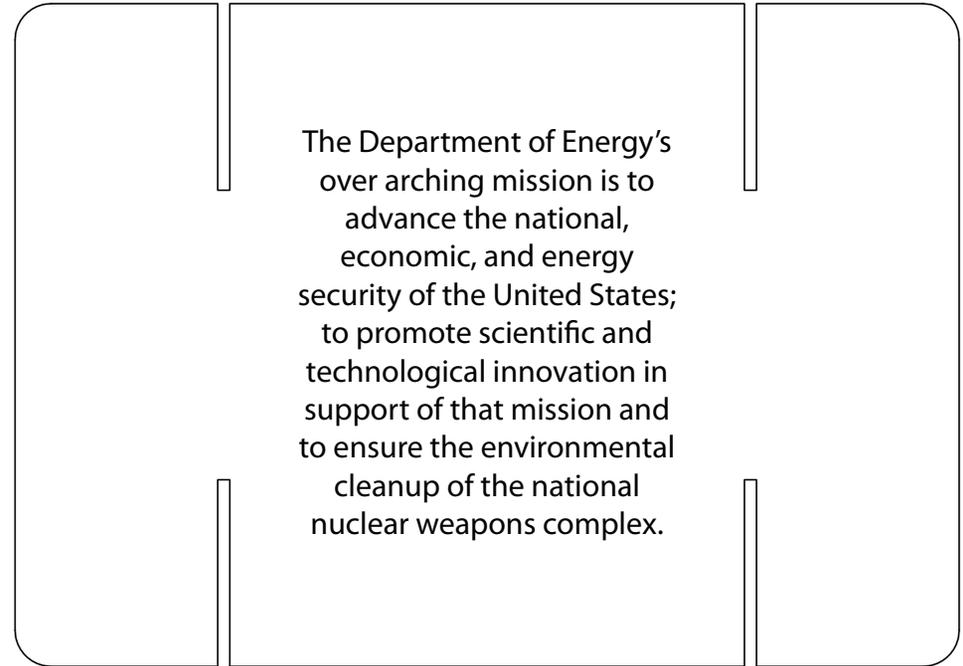
BACK



FRONT

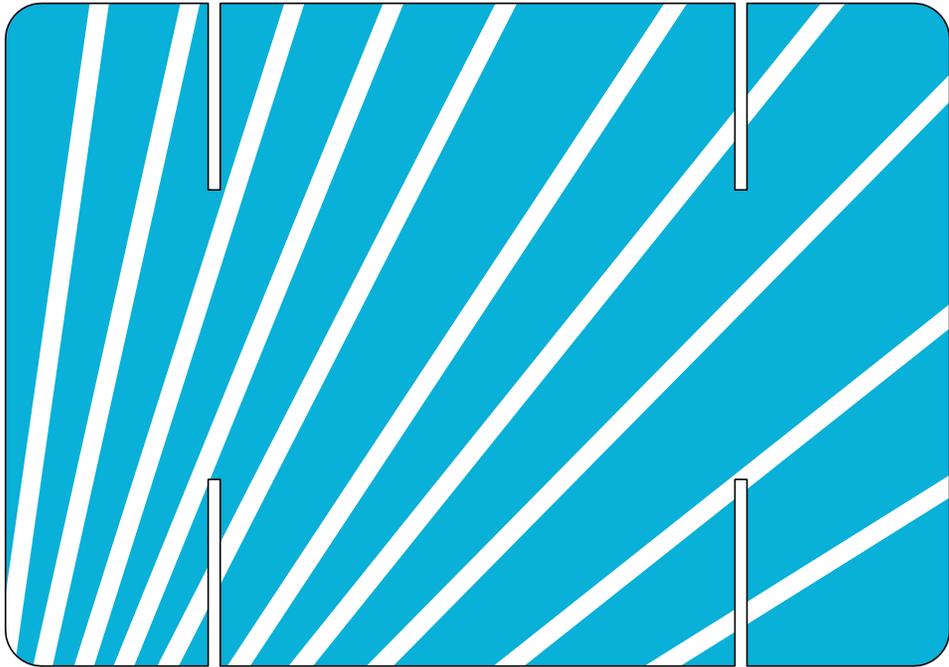


BACK

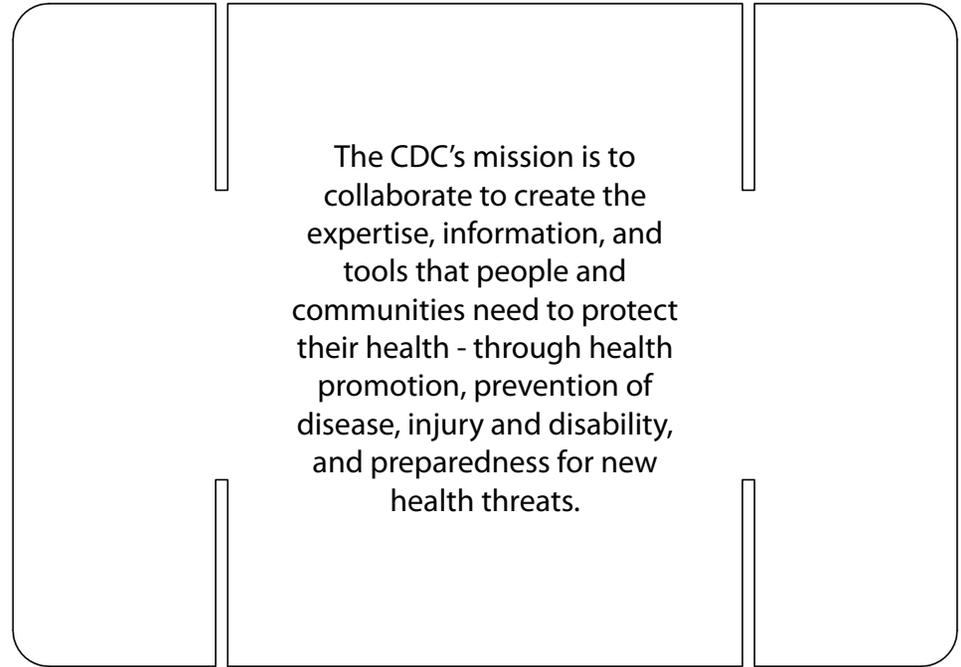


The Department of Energy's over arching mission is to advance the national, economic, and energy security of the United States; to promote scientific and technological innovation in support of that mission and to ensure the environmental cleanup of the national nuclear weapons complex.

FRONT



BACK



LIVABILITY PRINCIPLES

FRONT

(re)CONNECT

BACK

1. Provide more transportation choices. Develop safe, reliable, and economical transportation costs, reduce our nation's dependence on foreign oil, improve air quality, reduce greenhouse gas emissions, and promote public health.

FRONT

(re)FORM

BACK

2. Promote equitable, affordable housing. Expand location and energy efficient housing choices for people of all ages, incomes, races, and ethnicities to increase mobility and lower the combined cost of housing and transportation.

FRONT

(re)INVIGORATE

BACK

3. Enhance economic competitiveness. Improve economic competitiveness through reliable and timely access to employment centers, educational opportunities, services and other basic needs by workers, as well as expanded business access to markets.

FRONT

(re)VITALIZE

BACK

4. Support existing communities. Target federal funding toward existing communities - through strategies like transit oriented, mixed use development, and land recycling - to increase community revitalization and the efficiency of public works investments and safeguard rural landscapes.

FRONT

(re)GENERATE

BACK

5. Coordinate and leverage federal policies and investment. Align federal policies and funding to remove barriers to collaboration, leverage funding and increase the accountability and effectiveness of all levels of government to plan for future growth, including making smart energy choices such as locally generated renewable energy.

FRONT

(re)FRESH

BACK

6. Value communities and neighborhoods. Enhance the unique characteristics of all communities by investing in healthy, safe, and walkable neighborhoods - rural, urban, or suburban.

AGENCY EXAMPLES

FRONT



BACK

Residents of Villa Excelsior, a HUD-subsidized housing development learned how to save money on utility bills when the HUD New England Regional Director and the Regional Administrator from the EPA visited the apartment complex as part of the ENERGY STAR Change a Light, Change the World campaign. The objective of the campaign is to promote energy efficiency and conservation throughout America. The emphasis is to change from an incandescent light bulb to an ENERGY STAR labeled light bulb.

FRONT



BACK



FRONT



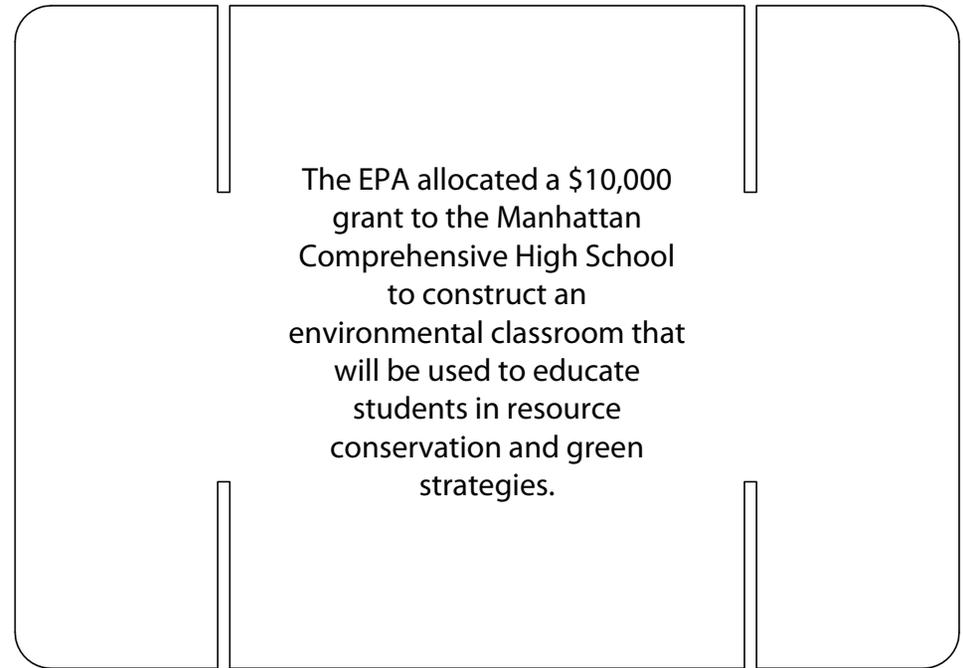
BACK

The DOE has a loan guarantee program aimed at building projects that cost over \$25 million. These projects should "avoid, reduce or sequester air pollutants or anthropogenic emissions of green house gases and employ new or significantly improved technologies..." The program has been authorized to offer more than \$10 billion in loan guarantees for energy efficiency, renewable energy and advanced transmission and distribution projects and is available until 2011.

FRONT



BACK

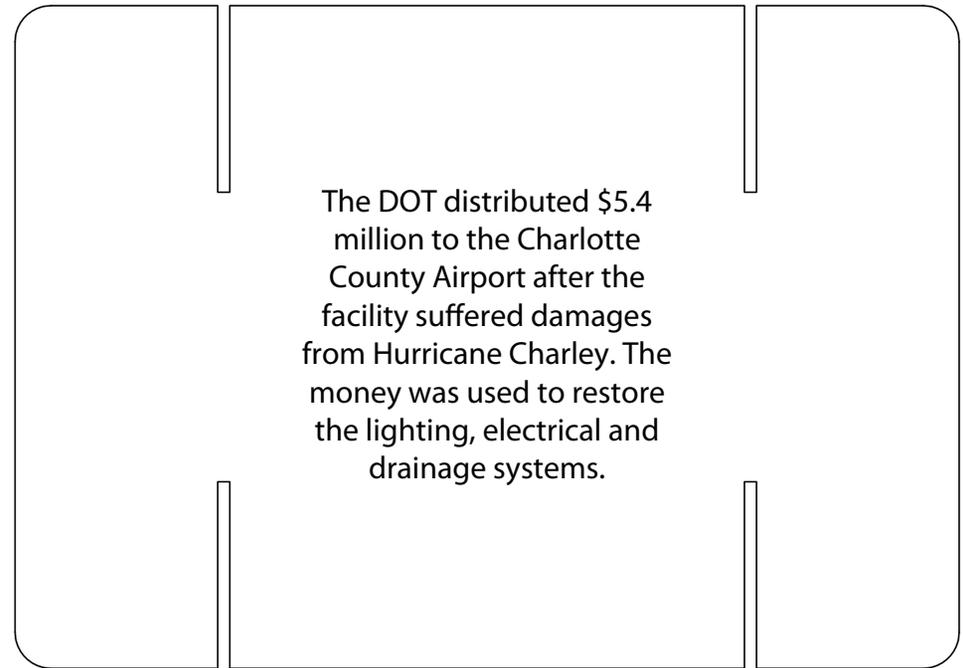


The EPA allocated a \$10,000 grant to the Manhattan Comprehensive High School to construct an environmental classroom that will be used to educate students in resource conservation and green strategies.

FRONT



BACK

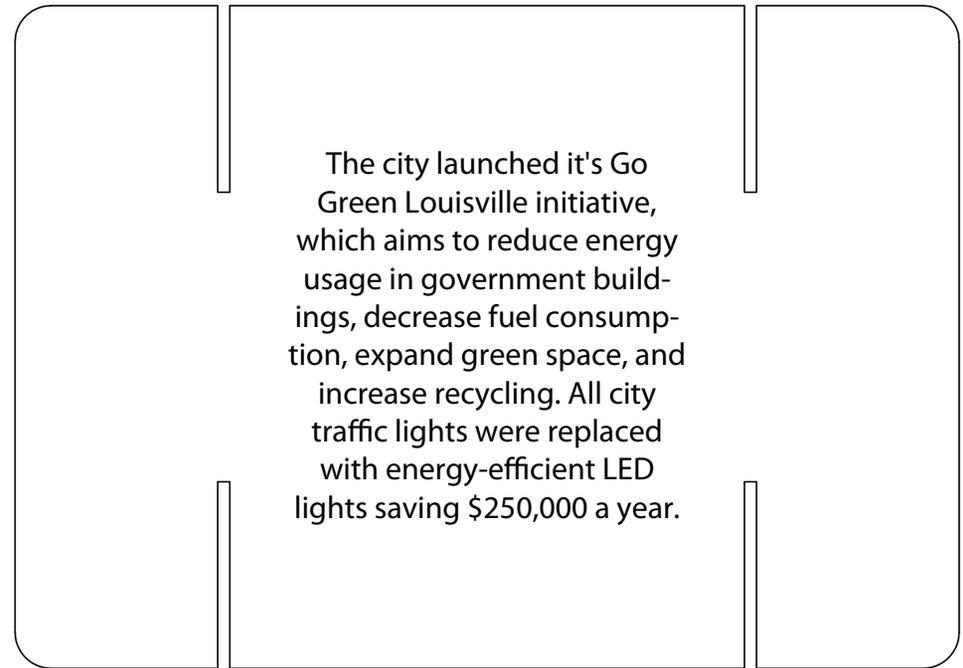


LOUISVILLE FACTS

FRONT



BACK



FRONT



BACK

The Mayor created a community-wide Emergency Medical Service which uses the latest technology and a data-driven approach to shave life-saving seconds off response times. New technologies such as wireless patient care computers allow ambulance crews direct, immediate communication with area hospitals - even allowing real-time EKGs to be transmitted to emergency rooms.

FRONT



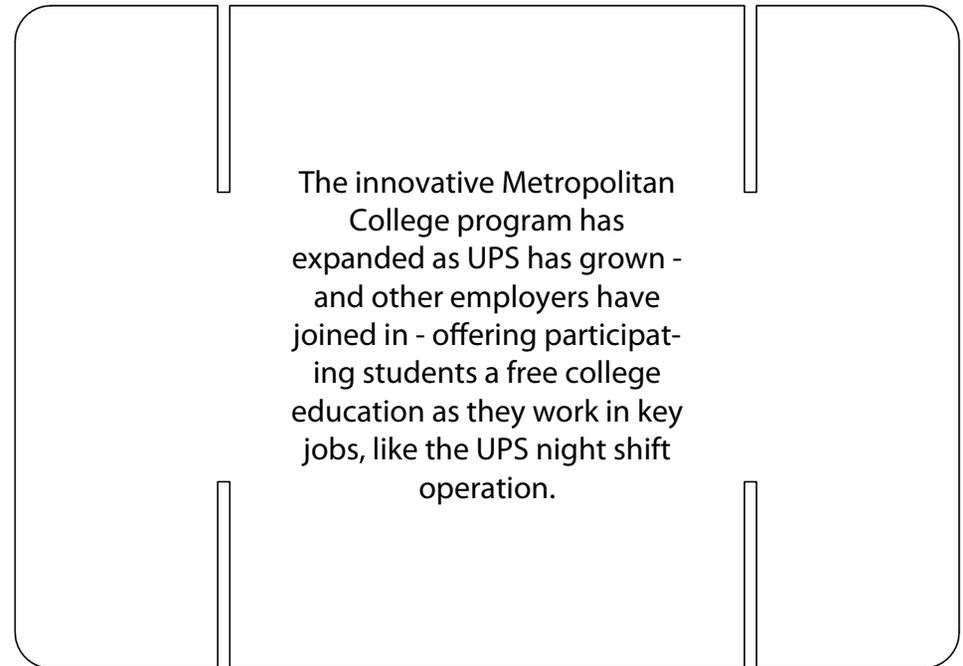
BACK

A systematic effort to consolidate staff in city-owned buildings and to negotiate better leases for rented space has saved \$2 million on rent in the past 5 years, and raised more than \$5 million through surplus property sales.

FRONT



BACK



FRONT



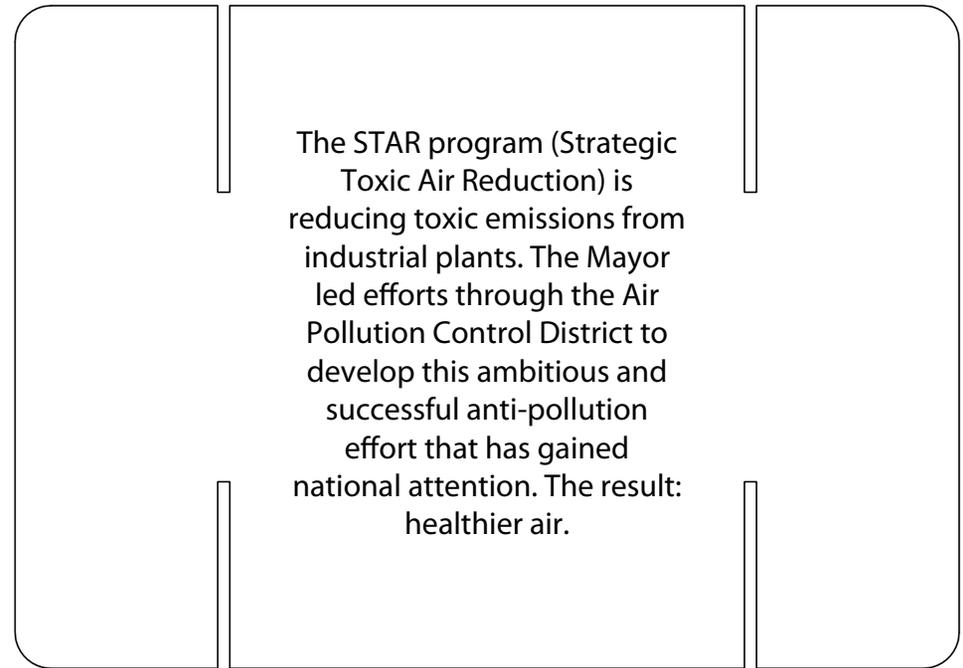
BACK

More than 250 improvement projects worth more than \$33 million in dozens of existing parks: these investments have created new playgrounds, tennis courts, walking paths, golf clubhouses and spray parks, completed Iroquois Amphitheater, and developed master plans for parks throughout the community from Riverview Park in the Southwest to Champions Park in the River Road recreation corridor.

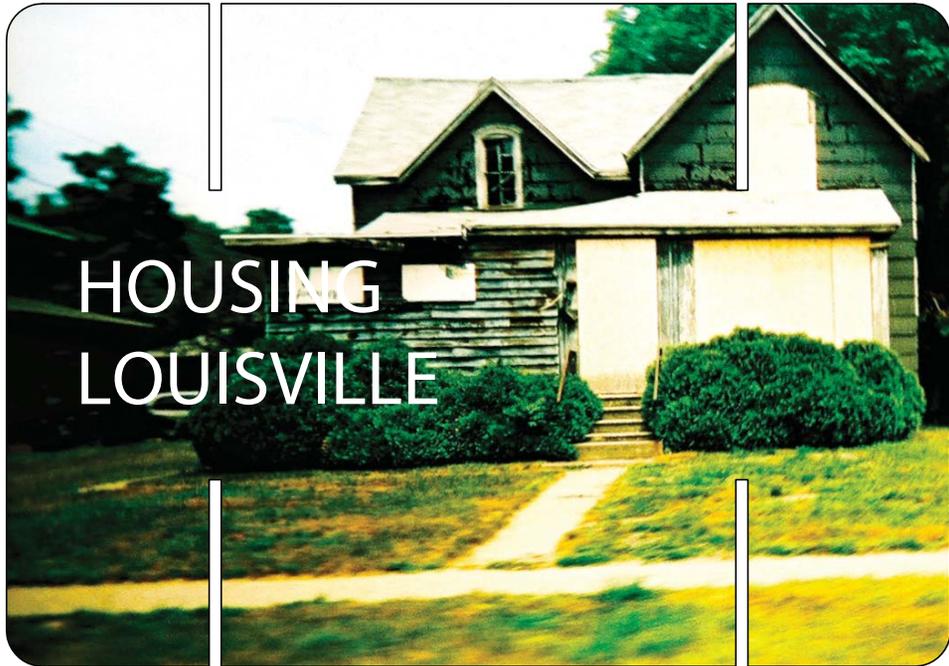
FRONT



BACK



FRONT



HOUSING
LOUISVILLE

BACK

With the help of \$7 million in federal funds, Neighborhood Stabilization Programs are under way to improve housing in five city neighborhoods hard-hit by foreclosures: Newburg, Smoketown/Shelby Park, Shawnee, Portland, and Park DuValle.

FRONT



ECONOMIC DEVELOPMENT
LOUISVILLE

BACK

Supporting local businesses:
The city's partnership with
Greater Louisville Inc., the
chamber of commerce,
includes initiatives such as
the award-winning Mayor's
High Impact Program, which
supports 140 of the city's
fastest-growing local
companies.

SUSTAINABILITY FACTS

FRONT

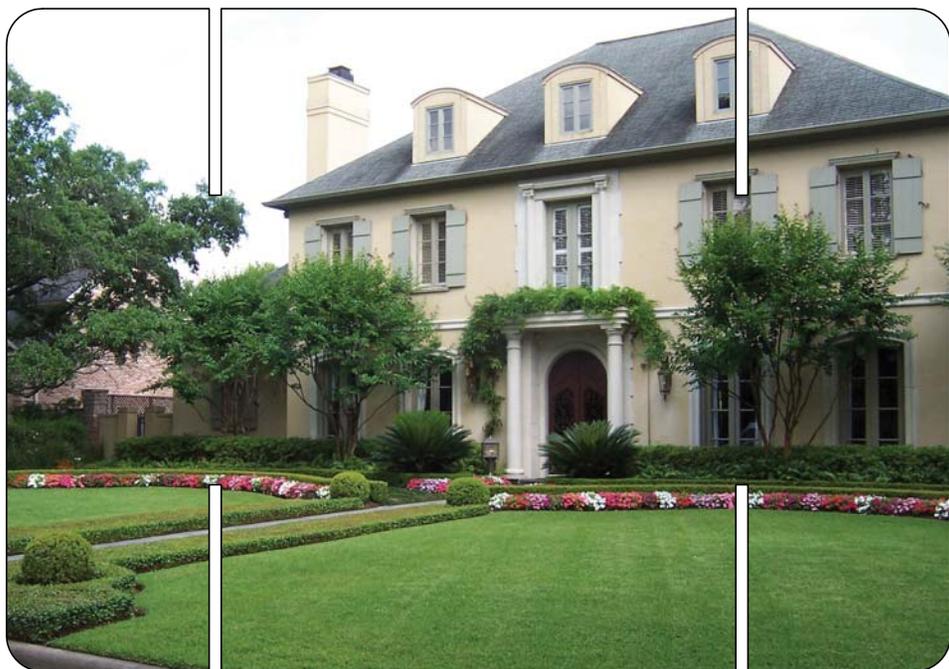


BACK



Landscaping, especially with trees, can increase property values as much as 20%.

FRONT



BACK

The net cooling effect of a young, healthy tree is equivalent to ten room-size air conditioners operating 20 hours a day.

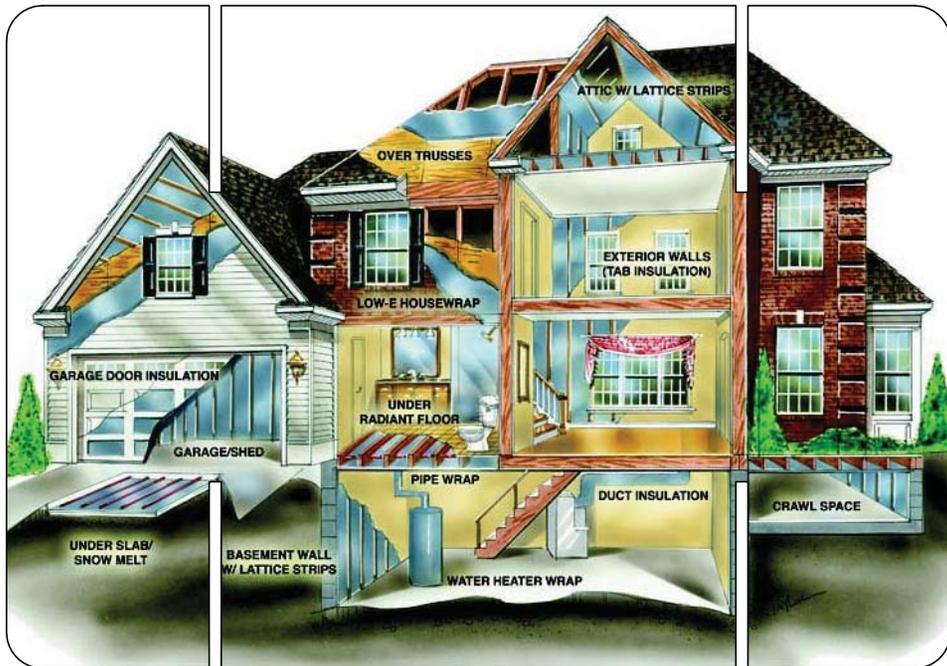
FRONT



BACK

A 3% reduction in vehicle miles travelled results in a 30% reduction in peak hour congestion.

FRONT



BACK

Building sale prices for energy efficient buildings are as much as 10% higher per square foot than conventional buildings.

FRONT



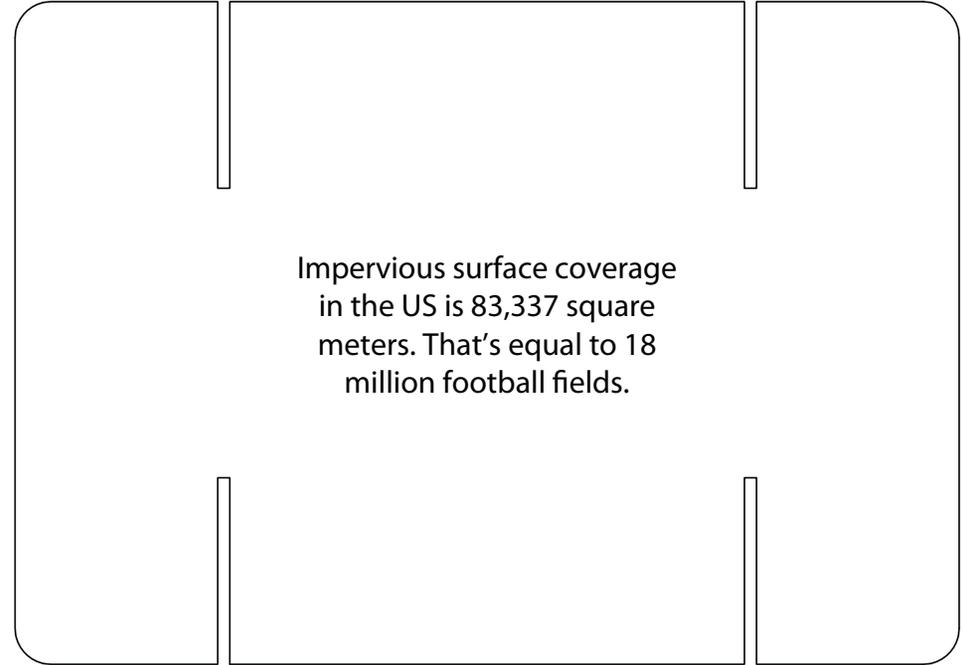
BACK

Improvements in indoor environments are estimated to save \$17 to \$48 billion in total health gains and \$20 to \$160 billion in worker performance.

FRONT



BACK



Impervious surface coverage
in the US is 83,337 square
meters. That's equal to 18
million football fields.

TECHNOLOGY

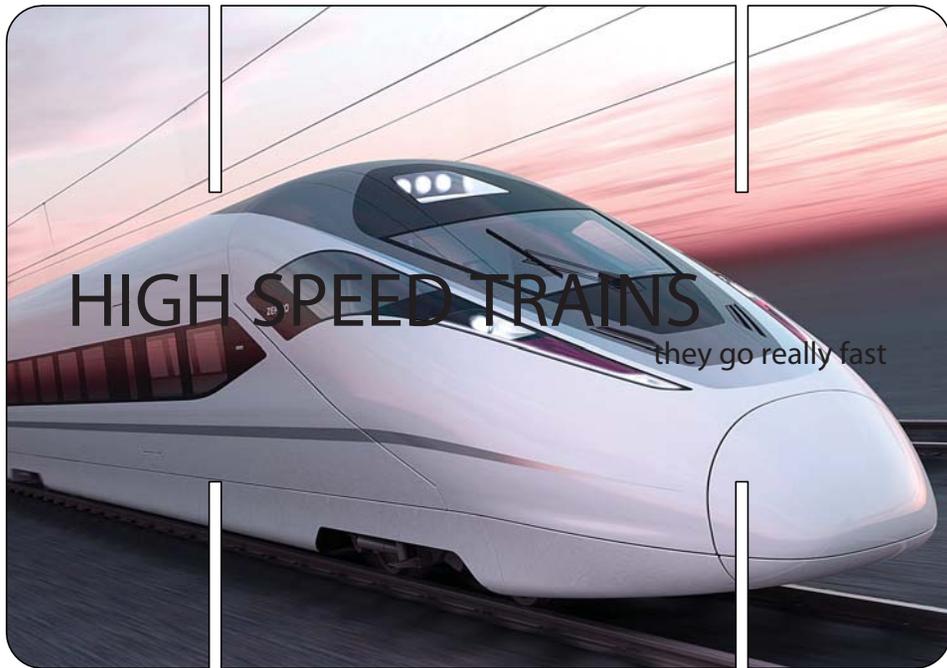
FRONT



BACK

This super heated water drill eliminates the need for a drill bit when creating a geothermal energy system, making the risks of a useless expensive hole due to a broken drill bit completely null. The HD could reduce the cost of creating geothermal energy systems by as much as 50%. It has the capability to bore easily through hard rock, making geothermal systems more cost effective and also possible in locations previous thought impossible.

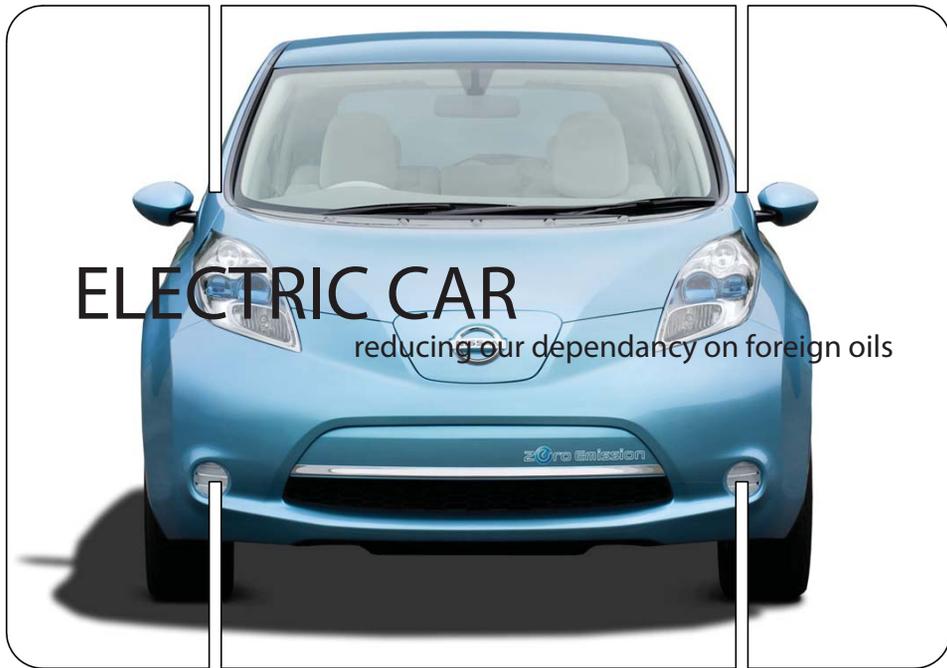
FRONT



BACK

The WuGang train in china has an average speed of 196 mph, and record speeds of 245mph, turning a 10 hour trip into a 3 hour trip. It's 3x more efficient than an airplane, and 5x more efficient than an automobile. Trains like this in the U.S. would increase tourism, allow for commuting to places we never thought possible before, and generally stimulate our economy.

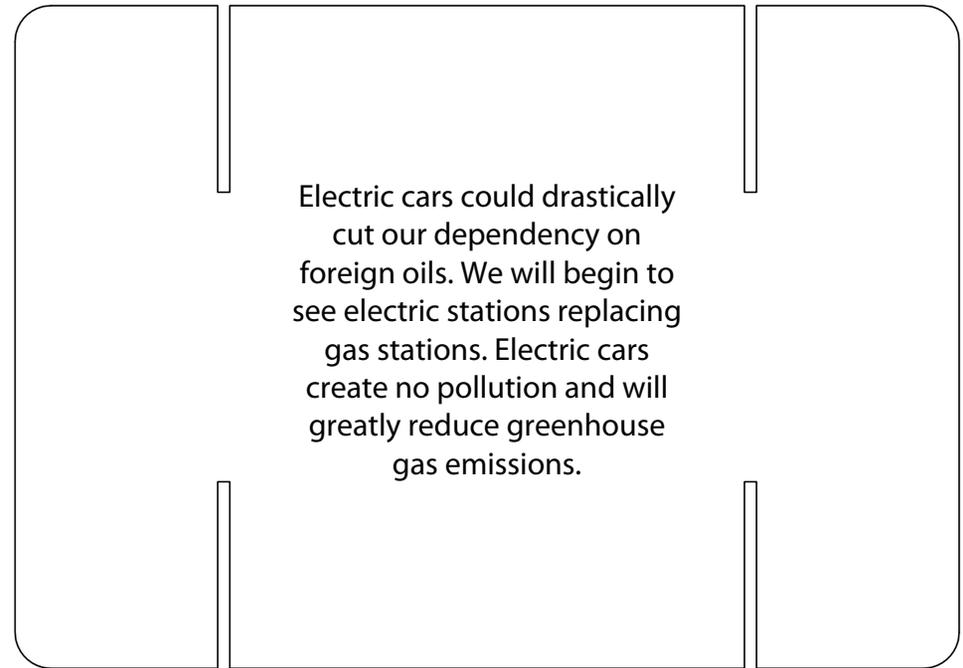
FRONT



ELECTRIC CAR

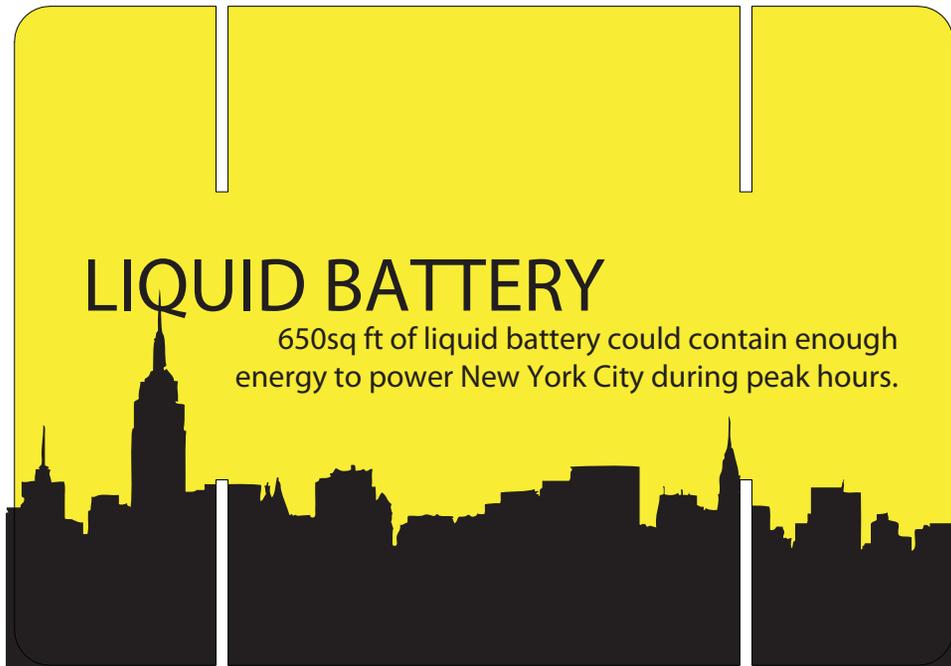
reducing our dependency on foreign oils

BACK

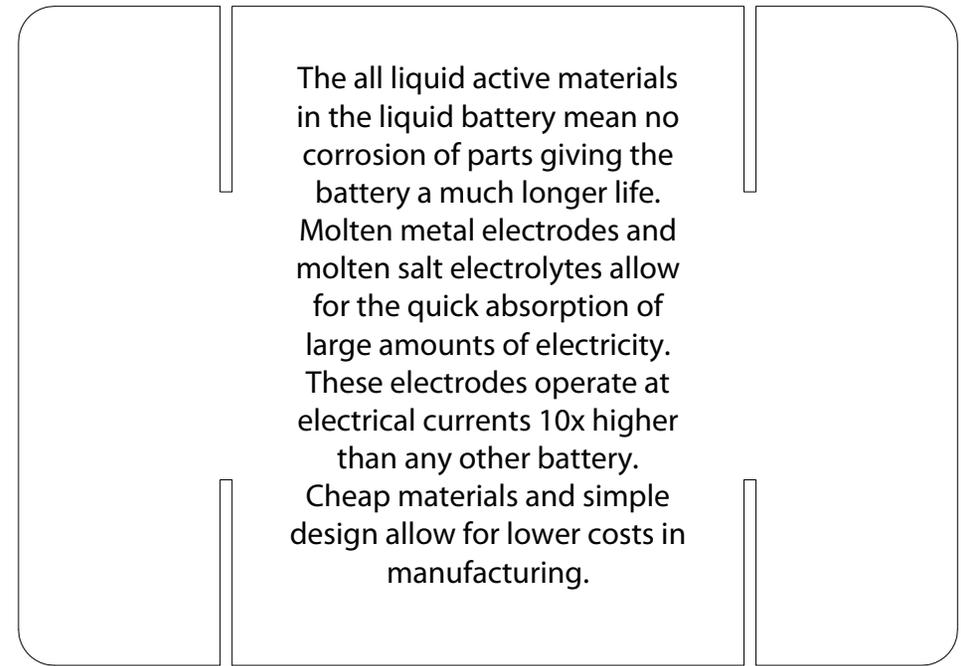


Electric cars could drastically cut our dependency on foreign oils. We will begin to see electric stations replacing gas stations. Electric cars create no pollution and will greatly reduce greenhouse gas emissions.

FRONT



BACK



FRONT



BACK

Vertical farming allows for year round crop production. One indoor acre is equivalent to 4-6 outdoor acres, depending on the crop VF converts abandoned urban properties into food production centers. VF reduces fossil fuel use by eliminating tractors and other farming vehicles. VF creates sustainable environments for urban centers and creates new employment opportunities.