

**Falcon Heights Environment Commission**  
**October 13, 2014**  
**6:30 p.m.**

**Agenda**

- 1) Sustainability Fair – University of Minnesota Students
- 2) Do Green in Falcon Heights – David Murphy
- 3) Car-2-Go – Josh Johnson
- 4) Sustainability Fair
- 5) TechDump Event
- 6) Recruitment of New Commissioners
- 7) Information and Announcements

Next Meeting: Monday, November 10, 2014

*If you have a disability and need accommodation in order to attend this meeting, please notify City Hall 48 hours in advance between the hours of 8:00 a.m. and 4:30 p.m. at 651-792-7600. We will be happy to help.*

October, 2014

## Do Green in Falcon Heights

Icebergs melt. Forests disappear. Fossil fuels burn.

What can we do? Now?

We can act locally. We can be more efficient without making drastic changes in our lives, at least for a start.

This is a proposal to change trash collection to make it more Green, less wasteful, less harmful, and less expensive.

This is a proposal. You can improve it. Do that. This is meant to start us talking.

Falcon Heights has an Environment Commission whose duties include advising city council on waste and recycling. A dialogue there could lead to reducing the city's impact on the environment re: waste and recycling.

>During non-snow months, as with yard waste collection, we could reduce by half the trips of heavy vehicles by placing trash containers on one side of the street. The side should be opposite mailboxes. Snow drifts would make this next to impossible in winter. See the discussion below re: vehicle weight and resulting damage.

>Taking yearly bids for single-hauler trash collection would increase efficiency and significantly reduce costs to residents and to the environment. Again, see discussion below.

>The European model has residents carrying trash to a nearby receptacle such as a small dumpster bin. This might be considered as a longer term goal.

>Yard waste collection every second week instead of weekly would again reduce costs to residents and the environment.

### The Cost of Trash collection in Falcon Heights

- >Approximately 15 miles of residential roads in FH are used for waste collection.
- >Rubbish hauling trucks travel both sides of each street – 30 miles per truck per day each week traveled within the city. No estimate re: travel costs from garage and to dump full loads outside city.
- >Estimated 5 miles per gallon per truck. Estimated 4 different haulers of trash in FH.
- >One additional truck collects recycling - both directions – 30 miles per day.
- >One more truck collects yard waste one day each week for ½ year.
- >6 gal. gas per truck per day, 5 ½ trucks.
- >33 gal. per day, 1,716 gal. fuel per year for waste collection in FH (over \$6000 fuel per year for fuel at \$3.50 per gallon).

This, of course, excludes the costs involved in disposal of waste outside the city's limits as well as the travel costs from the garage.

### Other considerations

- >Noise and air pollution - direct negative effects on living organisms, even humans!
- >Greenhouse: damage to climate and weather caused by fossil fuels.
- >Partially full containers means wasted container space and wasted fuel.
- >Damage to streets resulting from heavy traffic – pavement (repaving, drainage corrections) and underground systems (water service, sewer, storm drains) (gross weights of trucks estimated @ 15 tons). The study cited below is focused on damage to road surfaces. It does not look at potential damage to underground services or to the impact of vehicle weight on sunken curbs.

**Any attempted change in Falcon Heights' trash collection system should reduce the cost of trash collection!**

David Murphy  
Falcon Heights

- > "Assessing the Effects of Heavy Vehicles on Local Roadways", Dr James Wilde, PE, MN State University for MNDot Research Service Section.
- > "A Five Step Plan to Feed the World", Jonathan Foley, May 9, 2014 National Geographic Magazine. This article deals with feeding the world of our children and grandchildren and suggests that the time for thinking is past. It's time to DO. Here in FH we might begin with food at the other end.

## PRESS CONTACT

Adrienne Andang  
car2go N.A., LLC (Austin, TX)  
Adrienne.Andang@Daimler.com  
+1(512)428-6233

CAR  
2GO

car2go North America, a wholly-owned subsidiary of Daimler and a brand of moovel GmbH, offers an innovative mobility solution in rapidly growing urban areas via a carsharing network of eco-friendly smart fortwo vehicles around the world. A flexible and “on demand” mode of transportation, car2go complements existing public transportation by bridging the gaps between the “first and last mile” of a member’s commute. Today, car2go has more than 850,000 registered members in 30 cities around the world.

Keep up with car2go by visiting <http://car2go.com> and <http://media.daimler.com/ms/car2go/e>.

## OUR STORY

### 2009

**car2go** was designed by the Daimler Business Innovation Unit to address the issues that Modern North American cities face.

### 2010

**car2go** opened to the public.

### 2011

**November: car2go** launched two of the world’s largest electric carsharing programs – in San Diego, California and Amsterdam, The Netherlands – each with 300 smart fortwo electric drive vehicles (EV’s).

### 2012

**December: car2go** introduced an all-electric carsharing program to the City of Stuttgart with 300 EV’s.

## HOW IT WORKS

### BY THE MINUTE

- Members pay only for the time they used the car
- No annual or monthly fees
- Unrestricted, unlimited access 24 hours a day, 7 days a week (no reservations required)

### ON DEMAND

- Members can find the first available car2go via:
  - a smartphone app
  - car2go.com
  - calling the customer call center
  - physically in local area

### FREE-FLOATING

- Members can pick up and drop off a car2go anywhere within the Home Area
- No commitment to a return time or location

## DESIGNED TO ALLEVIATE ISSUES CITIES FACE

- ALLEVIATE CONGESTION
- REDUCE EMISSIONS
- MAINTAIN QUALITY OF LIFE

## AT A GLANCE

### USA

**Austin, TX** (launched March 2010) has 375 vehicles with 47,000+ registered members, and a 50 sq. mile Home Area with more than 147 parking spaces.

**San Diego, CA** (launched November 2011) has 380 vehicles with 31,000+ registered members, and a 45 sq. mile Home Area with more than 20 parking spaces.

**Washington, DC** (launched March 2012) has 500 vehicles with 41,000+ registered members, and a 53 sq. mile Home Area with more than 2 parking garages.

**Portland, OR** (launched March 2012) has 400 vehicles with 28,000+ registered members, and a 52 sq. mile Home Area.

**Miami, FL** (launched July 2012) has 276 vehicles with 24,000+ registered members, and a 43 sq. mile Home Area with more than 52 parking spaces.

**Seattle, WA** (launched December 2012) has 500 vehicles with 53,000+ registered members, and a 52 sq. mile Home Area with more than 20 parking spaces.

**Denver, CO** (launched May 2013) has 400 vehicles with 24,000+ registered members, and a 50 sq. mile Home Area with more than 50 parking spaces.

**Twin Cities, MN** (Minneapolis – September 2013 ; St. Paul – July 2014) has 535 vehicles with 15,000+ registered members, and a 107 sq. mile Home Area.

**Columbus, OH** (launched October 2013) has 300 vehicles with 15,000+ registered members, and a 40 sq. mile Home Area with more than 65 parking spaces.

**Los Angeles - South Bay** (launched June 2014) has 115 vehicles and a 28 sq. mile Home Area.

### CANADA

**Vancouver, BC** (launched June 2011) has 770 vehicles with 67,000+ registered members, and a 110 sq. kilometer Home Area with more than 75 parking spaces.

**Toronto, ON** (launched June 2012) has 425 vehicles with 34,000+ registered members, and a 110 sq. kilometer Home Area with more than 184 parking spaces.

**Calgary, AB** (launched July 2012) has 550 vehicles with 65,000+ registered members, and a 115 sq. kilometer Home Area with more than 75 parking spaces.

**Montreal, QC** (launched October 2013) has 340 vehicles with 19,000+ registered members, and a 61 sq. kilometer Home Area with more than 57 parking spaces.

(Updated October 2014)

Save the date!

# Sustainability Fair



UNIVERSITY OF MINNESOTA

INSTITUTE ON THE ENVIRONMENT

UNIVERSITY OF MINNESOTA  
Driven to Discover™



City of  
Falcon  
Heights



Thursday, November 20th  
5:30-8:00 PM

Silverwood Park · 2500 County Road E W · St. Anthony, MN

Event is free and open to the public!

# FREE\*

\*CRT Monitors and TVs require a fee. (see below)

# Tri-City Electronics Recycling Collection Events

Partnership of: Falcon Heights, Lauderdale, & St. Anthony Village

2 convenient locations! (see below)

## Saturday, Nov 1st: 9am-1pm

### FREE Items to Bring:

- Game Consoles
- Cellphones and PDAs
- Cords, Cables and Mice
- Flat Panel Monitor and TVs (LCD/LED)
- Switches, Routers and Hubs
- CPUs, Memory and Disk Drives
- Laptops and Desktop Computers
- Satellite, Cable and TiVo Receivers
- Peripheral Cards and Hardware
- And more: if it has a battery or cord, we will likely take it!

### Items NOT to Bring

- Humidifiers
- Microwaves
- Dishwashers
- Water Heaters
- Space Heaters
- Washers and Dryers
- Refrigerators/Freezers

This event is open to all. Follow the signs for drop-off. We'll unload for you.



### Items with a recycling fee:

- TVs and Monitors (\$15 on CRTs <30")
- TVs and Monitors (\$25 on CRTs >30")
- Console TVs (\$35)
- Rear Projection TVs (\$45)

See [TechDump.org/Tri-City](http://TechDump.org/Tri-City) for more info.

Data storing devices are sanitized of personal information & data.

Tax deductible receipt available for all donations.

Questions? Call Tech Dump at 763-432-3117, select option 1.



## Falcon Heights:

Falcon Heights City Hall  
2077 Larpenteur Ave W, Falcon Heights, MN

## St. Anthony Village:

St. Anthony Village City Hall  
3301 Silver Lake Road, St. Anthony, MN