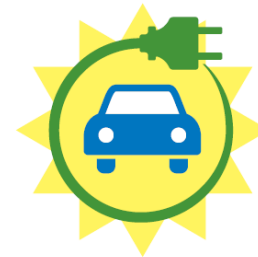


# IGO Electric Vehicle Project: Solar Power Your Ride

Building Consumer Demand for EVs



## ELECTRIC



Charging  
Station



# IGO Mission

Create innovative and cost-effective mobility solutions for the region— making it possible to live well without owning a car

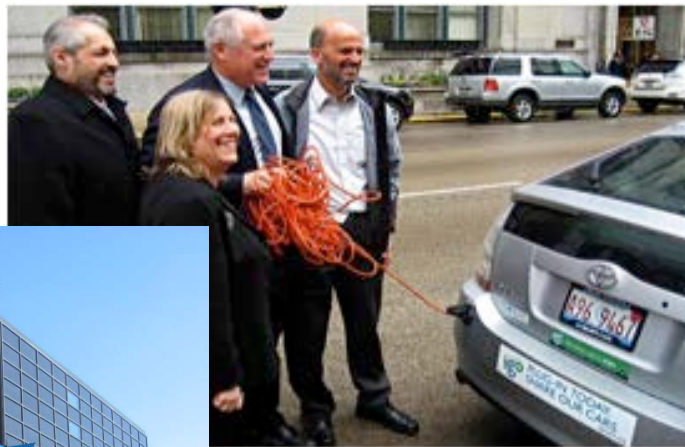


## HERE'S WHERE I-GO



- ◆ 15,000 members 250 plus vehicles
- ◆ Reduced Emissions in 2011 by 45,718 metric tons.
- ◆ I-GO members saved more than \$48,000,000 annually.
- ◆ 73% of members either sell or postpone buying a car
- ◆ Job creation- 75 direct/500+ indirect
- ◆ Pilot test innovations
  - ◆ Electric Cars to reduce emissions
  - ◆ Demonstrate Solar Power effectiveness
  - ◆ Help jumpstart EV use in the region

# History of EV Project



Started with test project in partnership with ComEd:

- Added two converted plug-in hybrids in 2009
- Member Surveys
- Great interest amongst members
- Didn't always plug in cars
- Usage high, energy usage low



# IGO Solar Powered Vehicle Project



I-GO will have the largest electric vehicle fleet in the Midwest powered by solar power

- \$2.5 million project :
  - ◆ 16 solar canopies
- Chicago, Evanston, Oak Park
- ◆ 36 electric vehicles
- ◆ 36 charging stations



# Solar Canopy



# Results so far



Four vehicles in service (more coming daily)

Date of first trip: March 22

Number of unique drivers: 79 Drivers

Average mileage of trip: 19.3 Miles

Average reservation hours: 3.28 Hours





# Barriers and Opportunities



## ➤ **Barriers:**

- Distance Capabilities/Charge time
- Overcoming range anxiety

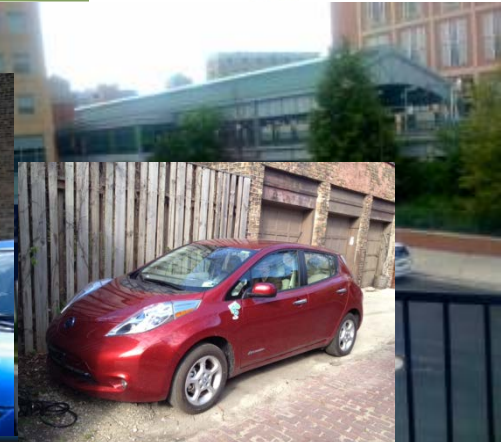
- Fixed locations

## ➤ **Opportunities:**

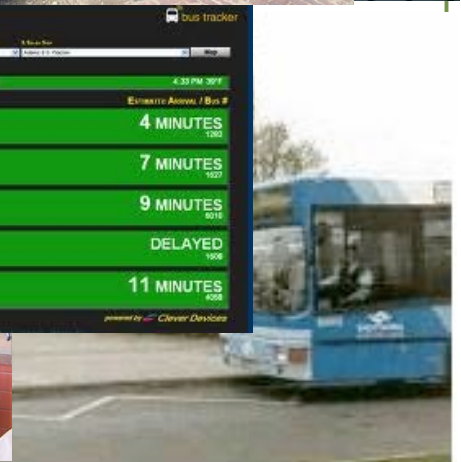
- Helping jumpstart EV usage in the region
- Reducing cost to I-GO associated paying for fuel and other maintenance.
- Providing option that has limited impact on the environment
- Demonstrating solar power and potential for community utility



# Future Vision: Mobility Stations

A bus tracker display showing arrival times for various routes. The display is titled 'cta bus tracker' and 'cta bus tracker.com'. It shows the current time as 4:35 PM '09'.

Route / Destination	Estimated Arrival / Bus #
Adams & S. Wacker (North Bound)	4:35 PM '09
1 To Harrison/Desplains	4 MINUTES 1903
126 To Austin	7 MINUTES 1927
129 To Ogden & Union Stations	9 MINUTES 8016
7 To Central	DELAYED 1908
156 To Desplains/Harrison	11 MINUTES 8208





# Thank You



Join IGO at [www.igocars.org](http://www.igocars.org)



## Solar Power Your Ride

Join IGO CarSharing and drive a solar-powered car!

This solar roof collects energy to help power the newest wheels in IGO's carsharing program—fully solar-powered electric vehicles.

### IGO CarSharing—easy, affordable and eco-friendly

- Members get 24-hour access to a fleet of IGO cars in reserved parking spaces in 25 city neighborhoods and four suburbs.
- Gas and insurance are included in the low, hourly rate and 24-hour assistance is only a phone call away.
- Shared cars means less congestion and fewer carbon emissions.
- Vehicles can be reserved online—or call us 24/7/365, at (773) 278-4446.



Scan here for a map of all IGO CarSharing locations.



Why buy a car when you can share?



Saves cash, saves the environment, and saves you the hassles of car ownership.

IGO is Chicago's only hometown, non-profit carsharing company.

[igocars.org](http://igocars.org)



How far will an electric car go?  
A single charge will take you 100 miles—farther than the average trips of most IGO members. For longer trips, just reserve one of our low emission vehicles, many of which are hybrids.

Must be 18-80 to join; other restrictions may apply. Check out [igocars.org/eligibility](http://igocars.org/eligibility) for more information.

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