Request for City Council Committee Action from the Department of Public Works & Department of Regulatory Services

Date: April 28, 2009

To: Council Member Sandra Colvin Roy, Chair – Transportation & Public Works Committee

Subject: Minneapolis Economic Recovery Strategy - Transportation Electrification Grant

Recommendation: Authorize Proper City Officers to submit a letter of support to Ford Motor Company for their Transportation Electrification Grant Application under the American Recovery and Reinvestment Act.

Previous Directives: None

Department Information

Prepared by: Daniel Huff (673-5863), John Scharffbillig (673-5775)

Approved by:

Rocco Forté, Assistant City Coordinator for Emergency Preparedness & Regulatory Services

Steven A. Kotke, P.E., City Engineer, Director of Public Works

Presenters in Committee: Daniel Huff

Reviews

- Permanent Review Committee (PRC): Approval ___ Date _____
- Civil Rights Approval Approval ___ Date _____
- Policy Review Group (PRG): Approval ___ Date _____

Financial Impact

- Action is within the Business Plan
- Action requires a change to the Business Plan
- Other financial impact

Community Impact

- Neighborhood Notification
- City Goals

- Comprehensive Plan
- Zoning Code
- Other

Supporting Information

The Department of Public Works and the Department of Regulatory Services are requesting approval of the attached letters to Ford, signaling the City of Minneapolis' partnership in their Transportation Electrification Grant applications under the American Recovery and Reinvestment Act.

See attached PowerPoint presentation for additional background information.

April 24, 2009

Nancy Gioia

Ford Motor Company

15050 Commerce Drive N, Office 1001

Dearborn, MI 48120

Subject: U.S. Department of Energy Funding Opportunity DE-FOA-0000028

Dear Ms. Gioia:

This letter is provided to Ford Motor Company ("Ford") to communicate the support of the City of Minneapolis for Xcel Energy's partnering with Ford in the response to the U.S. Department of Energy Funding Opportunity referenced above. The City of Minneapolis commits to work in good faith with Xcel Energy towards participating as a supporting partner with Xcel Energy in the Project outlined in Xcel Energy's letter to you of this same date. The City of Minneapolis anticipates that it will operate eighteen (18) of the Ford-supplied electric plug in vehicles as a partner with Xcel Energy in the Project.

We look forward to the opportunity to collaborate with Xcel Energy, Ford and the DOE on this promising initiative to accelerate transportation electrification within Minneapolis.

Sincerely,

R.T. Rybak	Barbara Johnson
Mayor	Council President

Transportation Electrification Grant

April 17, 2009

Transportation Electrification

- Stimulus Funding
- US Department of Energy
- Requires partnership with a car company

Project Goals

- Charging infrastructure. Research and deployment.
- Education/Outreach. Promote electric vehicles.
- Innovative vehicles. Lower fuel cost, testing for future needs.
- Marketing/Promotion. Twin Cities as world leader in innovative green technology.

Minneapolis/St. Paul – Transportation Electrification

Project Partners

Xcel Energy®

Minneapolis
City of Lakes

Minnesota Pollution Control Agency

AMERICAN LUNG ASSOCIATION®
of Minnesota

Hennepin

Fresh Energy

SAINT PAUL

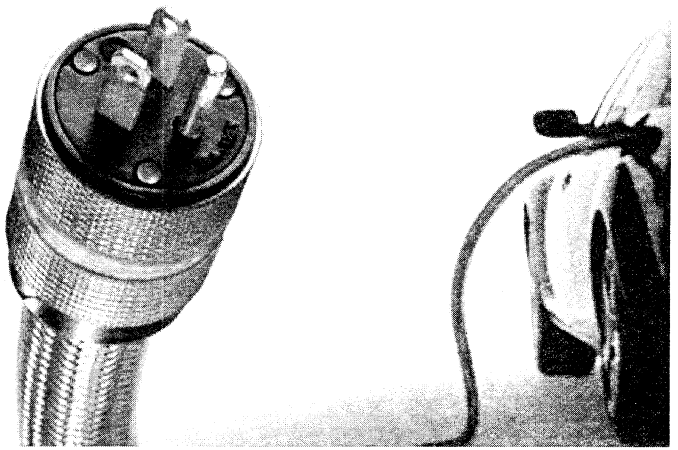
HOURCAR

Admin Minnesota
DEPARTMENT OF ADMINISTRATION

Ramsey County

Ford

Partners receive Ford plug-in vehicles in exchange for charging infrastructure installation and maintenance.



Marquee Stations

City Investment: ($40,000 cash outlay)

- 2 parking spaces at highly visible location
- Solar-powered charging station
- Operation and maintenance of station and vehicles

Ford Investment:

- 2 Vehicles: (ea. valued at ~$65,000)

Parking Ramp

City Investment: ($20,000 cash outlay)

- 20 parking spaces
- Installation of electrical outlets
- Operation and maintenance of parking spaces and vehicles

Ford Investment:

- 1 Vehicles: (ea. valued at ~$65,000)

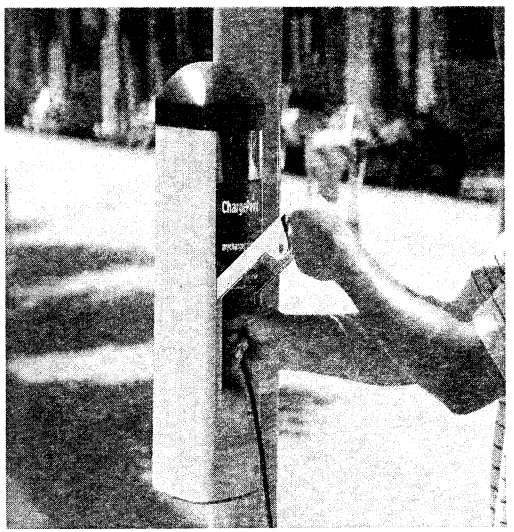
On-Street Parking

City Investment: ($20,000 cash outlay)

- 3 parking spaces
- Installation of “smart” charging station
- Operation and maintenance of parking spaces and vehicles

Ford Investment:

- 1 plug-in vehicles:
  (ea. valued at ~$65,000)



City Commitment

- 3 Marquee Solar-powered stations
  - Receive 6 vehicles
- 100 Parking Ramp spaces with outlets
  - Receive 5 vehicles
- 21 on-street spaces “smart” charging
  - Receive 7 vehicles

Project Costs

- $360,000 investment in infrastructure from vehicle funds
  - $260,000 Public Works Fleet Services
  - $100,000 Regulatory Services
- Receive 18 vehicles (~ $1,170,000)
- Xcel contributes significant investment in research and grid infrastructure

City Benefit

- Highly visible marquee charging stations. Solar, 2 parking spots, signage, prime location
- Plug-in spots in parking ramps
- Charging spots for fleet vehicles
- On street charging parking spots
- Xcel Energy Smart Grid research
- 18 plug-in vehicles