

 ST. CHARLES <small>SINCE 1834</small>	AGENDA ITEM EXECUTIVE SUMMARY					
	Title:	Recommendation to Proceed with Installation of an Electric Vehicle Charging Station				
	Presenter:	Tom Bruhl				
<i>Please check appropriate box:</i>						
	Government Operations		X	Government Services	10.28.13	
Estimated Cost:	\$13,000	Budgeted:	YES		NO	X
If NO, please explain how item will be funded: General Fund Transfer						
Executive Summary:						
<p>Deployment of an electric vehicle (EV) charging station can serve the City's economic development interests and reinforce our green image. Nearby installations have been successful. A State of Illinois rebate makes installation financially attractive at this time. The City has investigated installation of an EV charging station in the past. Due to the cost of the installation, the resistance to dedicating prime parking spots, and the uncertainty over how often such would be used, the concept was not pursued. The decision was made to wait and see how Kane County and Naperville fared with their charging stations.</p> <p>The (EV) population is on the incline. Kane County and Naperville have successfully deployed electric car charging stations with positive results with respect to frequent utilization. Staff has spent a fair amount of time conversing with people in the industry and with EV owners. It is clear that the location of charging stations is something that is well communicated within the EV community. Hence, installation within the downtown St. Charles area has a good opportunity to attract EV owners. There are a number of charging stations on the market. After reviewing a number of alternatives, it became clear that having a charging station that was connected via communications to a central control system offers access to critical information. To be able to judge economic development success, data with regard to the frequency of use, times of use, and average duration of use are vital. Charging stations can be free to the user, or can be connected to a pay system. Naperville and Kane County have chosen the free charging station model. The KWH consumption is not significant with respect to the monthly cost of the energy. The pay systems require people to subscribe to a service and appear to be much less popular in the EV community.</p> <p>Staff has acquired quotations from the same vendor that Kane County selected, Carbon Day, for a dual charger 240V standard interface station. The quotes include a "networked" station that has two way communication and can provide the usage data that we value. Other "free to user" units did not offer this capability. The cost of a charging station with two cords is \$7,650. The cost of installation will vary based on where the City would decide to place the unit, but \$5,000 is a fair estimate, bringing the total cost to approximately \$13,000. The current recommendation is to place the unit on the 4th floor of the First Street Parking Deck. Through a DCEO grant, which the vendor is willing to help us prepare, we would be eligible for 50% rebate up to \$7,500. Based on the \$13,000 estimate, our rebate would be \$6,500. The very lucrative grant funding was not apparent at FY14 budget preparation time. This item is not in the Electric Utility budget. If approved, a budget addition will be processed to make the funds available.</p>						
Attachments: <i>(please list)</i>						
None						
Recommendation / Suggested Action <i>(briefly explain):</i>						
Recommendation to proceed with the installation of an electric vehicle charging station.						
<i>For office use only:</i>		<i>Agenda Item Number: 4.d</i>				