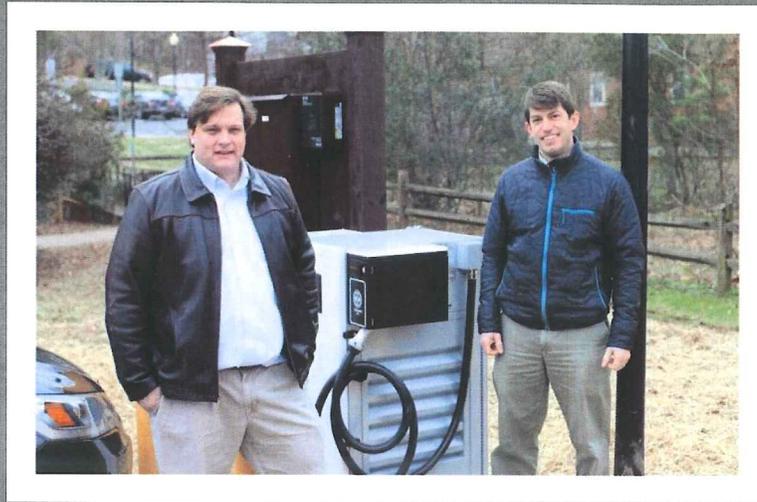


ELECTRIC VEHICLE FAST CHARGE STATIONS



Pictured from left to right: Alan Dorman and Brennan Bouma showcase one of the County's new charging stations

Orange County is installing two DC Fast Charge electric vehicle charging stations. Since 2012, the County has provided 1 level-2 public charging stations, which can fully charge an electric vehicle (EV) in four to six hours.

The new Fast Chargers will charge cars in about 20 minutes and should be available by April. Brennan Bouma, will be managing the stations. "Orange County has been at the forefront of sustainable innovations for decades and this is one more example. These stations fill a gap in the expanding network of EV chargers and create a convenient amenity that will draw drivers into our downtowns," said Bouma, the County's new sustainability coordinator.

Alan Dorman with Asset Management Services formed a partnership with NC-based Brightfield Transportation Solutions, bringing these EV chargers to Orange County at no cost. The stations will be located behind the District Attorney's office on East Margaret Lane and behind the Skills Development Center on West Franklin Street. EV drivers will pay a nominal fee to Brightfield to use these stations, while the other public charging stations will remain free to use, for at least the near future.

Later, a second phase of the installation will involve erecting a 30kW solar canopy above each charger to help offset the station's energy use. While there are more than 200 EV charging stations in North Carolina, there are fewer than 15 other charge stations.

**ORANGE COUNTY
BOARD OF COMMISSIONERS**

ACTION AGENDA ITEM ABSTRACT

Meeting Date: April 15, 2014

**Action Agenda
Item No. 7-c**

SUBJECT: DC Fast Charger Electric Vehicle Station Licensing Agreement with Brightfield Transportation Solutions

DEPARTMENT: Asset Management Services,
Department of Environment,
Agriculture, Parks &
Recreation, County Attorney

PUBLIC HEARING: (Y/N)

No

ATTACHMENT(S):

- 1) Site Locator
- 2) Typical Installation Illustrative
- 3) Licensing Agreement

INFORMATION CONTACT:

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David Stancil, 919-245-2522
John Roberts, 919-245-2318

PURPOSE: To consider:

- 1) Approving a Licensing Agreement and associated Easements granted to Brightfield Transportation Solutions for electric vehicle "DC Fast Charger" fueling station construction and operations at The Justice Facility parking lot in Hillsborough, NC and the Skills Development Center parking lot in Chapel Hill, NC;
- 2) authorizing the Chair to sign all necessary documents upon final review of the County Attorney.

BACKGROUND: Orange County is a leader in North Carolina (among both the public and private sectors) in developing and offering for use electric vehicle charging stations to its residents and stakeholders.

In 2011 the Board of County Commissioners authorized staff to secure an \$83,540 grant with the United States Department of Energy and its Carolina Blue Skies & Green Jobs Initiative for the installation of 16 "Level 2" electric vehicle charging stations. These funds were accepted in November 2011, and the 16 stations were successfully installed in 2012. Attachment 1, "Site Locator", illustrates where these charging stations are installed and publicly available. The Agenda Abstract for the November 15, 2011 grant acceptance and installation authorization can be found at <http://www.co.orange.nc.us/OCCLERKS/111115.htm> - see Item 5-i.

The installations of these charging stations have seen significant growth in use and popularity as plug-in electric vehicles become more mainstream and popular with consumers. This growth in use is a significant objective of the grant. Because of this demonstrated success and growth,

assisted by Orange County's vision and leadership, the Carolina Blue Skies Initiative suggested that Orange County be considered for private sector partnership with Brightfield Transportation Solutions ("Brightfield") for the licensing agreement where Brightfield would finance, install and operate two "DC Fast Charger" electric vehicle stations - one near the Eno River Farmers Market in Hillsborough, NC, and one near the Chapel Hill/Orange County Visitors Center and Orange County Skills Development Center in Chapel Hill, NC. The existing "Level 2" stations will provide a complete electric vehicle charge in approximately 6 to eight hours, depending on the charging system of the vehicle. The DC Fast Charger station technology allows for a full re-charge in approximately 30 minutes to one hour. This technology will allow for owners of electric vehicles to visit areas for much shorter time frames to receive a full charge - something that is appealing to most electric vehicle owners, especially those visiting and spending dollars within Orange County.

The County's proposed contribution to this initiative is only the conveyance of a utility easement for the locations of the property. Brightfield will permit, design, install, and own the facilities and will charge a nominal fee for the charging service. Brightfield will offer the County and its local government partners (Chapel Hill, Carrboro, Hillsborough, Orange County Schools and Chapel Hill-Carrboro City Schools, and OWASA) a discount to these charging services should these entities invest in the plug-in electric vehicles now and into the future.

The Agreement stipulates the parking areas as not exclusive to electric vehicles; however, they would be include signage as electric vehicle charging areas.

The licensing arrangement proposes a nine year term upon the final commissioning of the stations, with a mutually agreed option for a five year renewal period of the license and/or a mutually agreed buyout provision of the stations at the end of the license term. The full proposed licensing agreement is provided at Attachment 3.

If the licensing agreement is approved, the Board of County Commissioners will be presented the utility easements for approval after Brightfield secures all of the necessary regulatory approvals for the development.

FINANCIAL IMPACT: There is no cost to the County for this licensing agreement. Should the County exercise its mutually agreed buyout option at the end of the term, the County would purchase the facilities for a negotiated fair market value at that time.

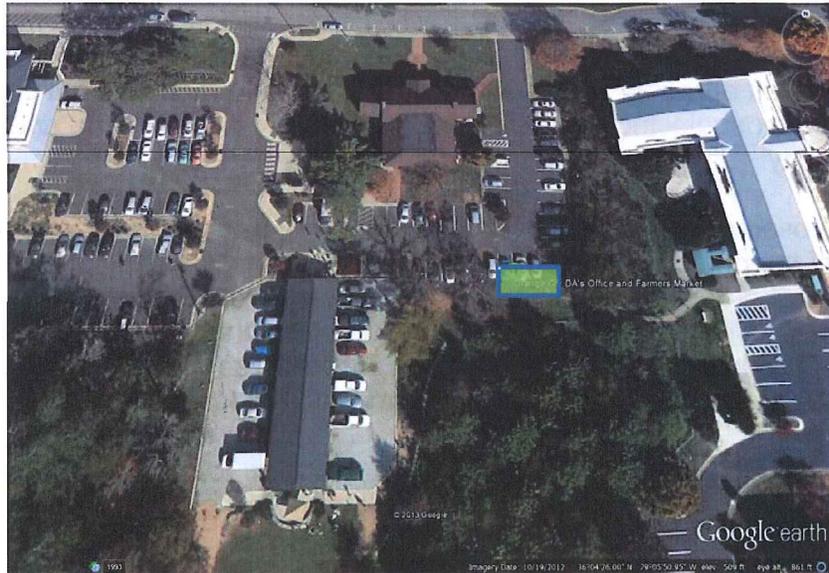
RECOMMENDATION(S): The Manager recommends that the Board:

- 1) approve a Licensing Agreement and grant the associated Easements to Brightfields Transportation Services, LLC for electric vehicle "DC Fast Charger" fueling station construction and operations at The Justice Facility parking lot in Hillsborough, NC and the Skills Development Center parking lot in Chapel Hill, NC;
- 2) authorize the Chair to sign all necessary documents upon final review of the County Attorney.

Attachment 1

Site Locator

Justice Facility Parking Area - 106 East Margaret St



Skills Development/Visitors Center - 501 W Franklin St

