

**ORANGE COUNTY
BOARD OF COMMISSIONERS**

ACTION AGENDA ITEM ABSTRACT

Meeting Date: January 22, 2015

**Action Agenda
Item No.** 6-k

SUBJECT: Right-of-Way Agreements for Duke Energy for the Provision of Electrical Service to Electric Vehicle Charging Stations

DEPARTMENT: Asset Management Services

PUBLIC HEARING: (Y/N)

No

ATTACHMENT(S):

1. April 15, 2014 BOCC Abstract & Attachments
2. Brightfield Licensing Agreement
3. Right-of- Way Agreement – 501 W. Franklin
4. Right-of-Way Agreement – 144 E. Margaret Lane

INFORMATION CONTACT:

Alan Dorman, 919-245-2627
Jeff Thompson, 919-245-2658

PURPOSE: To approve and authorize the Chair to sign Right-of-Way Agreements with Duke Energy for the purpose of providing electrical service to Brightfield electric vehicle charging stations to be built next to the Skills Development Center and the Farmers Market Pavilion.

BACKGROUND: On April 15, 2014 the Board approved a licensing agreement with Brightfield Transportation Solutions (“Brightfield”) for the purpose of building two electric vehicle charging stations, one located at the Skills Development Center and the second near the Farmers Market Pavilion (see Attachments 1 and 2, original abstract and Brightfield licensing agreement).

Both stations will include a DC Fast Charger and two “Level 2” chargers. When the stations are completed, there will be no cost for residents to use the “level 2” chargers and an \$8 charge to use the DC Fast Charger. Both sites will require Duke Energy to provide new electrical service. Since the electricity meters for these stations will be the responsibility of Brightfield according to the Licensing Agreement, Duke Energy requires that the County enter into Right-of-Way Agreements with Duke Energy so that the service may be provided and maintained.

FINANCIAL IMPACT: None.

RECOMMENDATION(S): The Manager recommends that the Board approve and authorize the Chair to sign the Right-of-Way Agreements with Duke Energy for the purpose of providing electrical service to Brightfield electric vehicle charging stations to be built next to the Skills Development Center and the Farmers Market Pavilion.

**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:

Jeff Thompson, 919-245-2658
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.

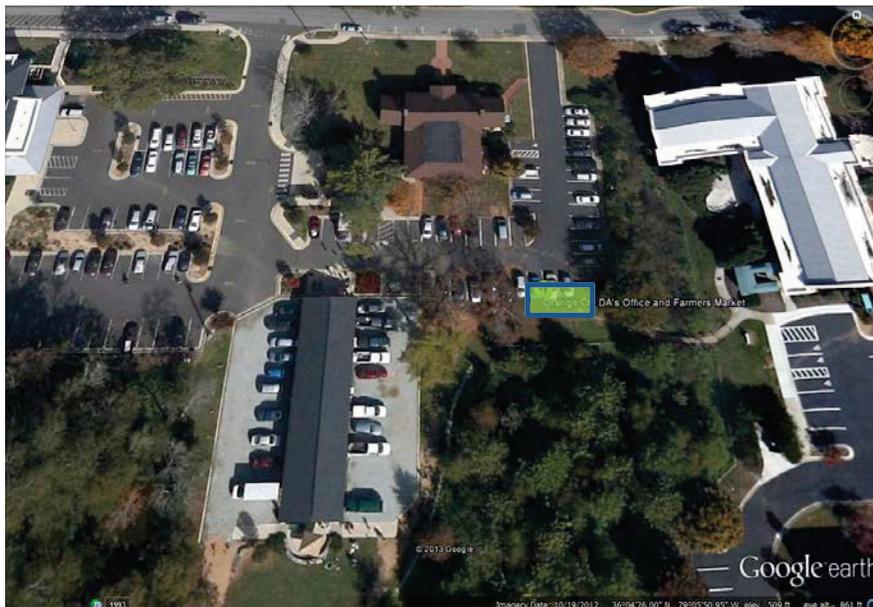
RECOMMENDATION(S): The Manager recommends that the Board:

- 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



Typical Brightfield Station Illustration

