



KING COUNTY

1200 King County Courthouse
516 Third Avenue
Seattle, WA 98104

Signature Report

April 13, 2010

Ordinance 16804

Proposed No. 2009-0631.2

Sponsors Dunn, Hague and Phillips

1 AN ORDINANCE relating to the development and use of
2 electric vehicle charging stations at King County facilities.

3 **STATEMENT OF FACTS:**

4 1. Greenhouse gas emissions related to transportation constitute fifty
5 percent of all greenhouse gas emissions in the state of Washington.

6 Because hydroelectricity is a clean source of energy and accounts for
7 sixty-six percent of Washington's electricity production, the use of
8 electricity to power a vehicle, instead of gasoline, is cheaper and less
9 polluting.

10 2. King County has been a leader in utilizing new technologies in the
11 transportation sector to help reduce operating costs and reduce its
12 environmental impact on our region. As of 2009, King County's fleet,
13 which refers to vehicles in the motor pool program and vehicles in each
14 department's fleet, has two hundred five flex-fuel vehicles, five converted
15 plug-in hybrid vehicles, sixty-eight neighborhood-electric vehicles, three
16 medium-duty hybrid trucks, one hundred seventy-seven light-duty hybrid
17 vehicles and two compressed natural-gas vehicles.

18 3. On December 10, 2007, the King County council adopted Ordinance
19 15988 to promote clean vehicle technology in King County's fleet. As a

20 result, King County participated in a plug-in hybrid electric vehicle pilot
21 project with Idaho National Labs to convert four county-owned hybrid
22 Toyota Priuses to plug-in electric vehicles.

23 4. On May 5, 2008, the King County council approved Motion 12744 to
24 reduce global warming and to support plug-in hybrid electric vehicles and
25 battery-electric vehicles. As of now, King County has installed twenty-
26 nine plug-in vehicle charging stations in various locations at park-and-ride
27 and King County fleet facilities, and the county is continuing to explore
28 additional locations for new plug-in stations.

29 5. On February 9, 2009, the King County council approved Motion 12921
30 endorsing the King County Electric Vehicle Report as the guiding
31 document for implementing actions to accommodate the use of plug-in
32 hybrid electric-vehicles and battery electric vehicles, and to promote
33 energy efficiency and clean vehicle technology in King County's fleet.
34 This document established actions the county should pursue to reduce
35 greenhouse gas emissions, detailed King County's efforts in reducing
36 greenhouse gas emissions and provided detailed information on the
37 current status of plug-in hybrid and electric vehicle technologies.

38 6. In 2007 King County Metro Transit launched the Plug-and-Ride pilot
39 project to promote the use of existing vehicle charging stations at park-
40 and-ride facilities. This early iteration of a plug-in electric charging
41 station project already provides outlets for electric vehicles at three park-
42 and-ride facilities: Issaquah Highlands Park-and-Ride; Eastgate Park-and-

43 Ride in Bellevue; and the Redmond Park-and-Ride. The fleet division
44 also has charging stations at the Goat Hill garage. Currently, there is
45 minimal regulation regarding the use of the existing charging facilities.

46 7. King County owns, leases or partners with other organizations to
47 provide parking facilities for other county transportation programs. These
48 programs include the park-and-ride program, the vanpool and vanshare
49 programs, and the county's motor pool program and departmental fleet.
50 The park-and-ride program promotes the use of King County Metro
51 Transit by providing parking for privately owned vehicles near or at transit
52 service. The vanpool and vanshare programs provide an operating cost-
53 neutral, low environmental impact mode of transportation.

54 8. The King County executive approved the proposed use of \$700,000
55 from the United States Department of Energy Energy Efficiency and
56 Conservation Block Grants program to construct publicly accessible
57 charging stations throughout the county. The grant award for this block
58 grant is currently pending from the United States Department of Energy.
59 On August 26, 2009, the Puget Sound Clean Cities coalition, including
60 King County, was awarded another \$700,000 from the United States
61 Department of Energy Clean Cities grant program to construct publicly
62 accessible charging stations throughout the county, and King County will
63 receive a significant portion of these moneys. On August 5, 2009, the
64 Electric Transportation Engineering Corporation ("eTeC") and Nissan
65 received a 98-million-dollar national grant from the United States

66 Department of Energy Transportation Electrification program, and King
67 County is one of the participants in that proposal. Under this proposal,
68 King County will receive one or more free charging stations from eTeC
69 for each Nissan electric vehicle purchased. Among other entities that are
70 receiving or dedicating funding to these efforts, the City of Seattle will
71 receive \$500,000 and the city of Bellevue will receive \$84,000, in the
72 development and installation of charging stations in their jurisdictions.

73 9. In seeking grant awards and partnerships to increase the number of
74 electric vehicle charging stations throughout the region, King County has
75 been coordinating with public utility companies and local jurisdictions to
76 identify potential charging station locations.

77 10. With the emerging market for plug-in electric vehicles, new industry
78 standards have been adopted to ensure universal compatibility between
79 vehicle manufacturers. Broad-based installation of new universally
80 compatible charging stations will ensure that plug-in electric vehicles will
81 remain a viable alternative to gasoline-powered vehicles.

82 BE IT ORDAINED BY THE COUNCIL OF KING COUNTY

83 SECTION 1. King County will implement an electric vehicle charging station
84 program commencing upon approval of this ordinance and necessary budget authority.
85 In three years, the King County council will consider continuation of the program based
86 on affordability, usage of the charging stations, cost recovery and whether it has
87 satisfactory returns of public benefit. The program will advance the countywide
88 installation of electric vehicle charging stations at county-owned, leased or partnering

89 organizations' public facilities to serve a direct county purpose while reducing
90 environmental impacts and operating costs. A direct county purpose includes promoting
91 the use of county programs or facilities, including the use of public transit, the vanpool
92 program and the vanshare program, and the county fleet motor pool program. To serve a
93 direct county purpose, charging station installation may occur at King County owned
94 park-and-ride facilities, vanpool destination parking sites, vanshare origin and destination
95 parking sites and King County fleet parking facilities. In addition, a secondary benefit of
96 encouraging the public to use electric vehicles and reducing the region's overall
97 environmental impacts will be realized by allowing public access to charging facilities
98 when facilities are not being used for a direct county purpose.

99 SECTION 2. The program may install electric vehicle charging stations at
100 locations where a direct county purpose will be served. These locations are:

101 A. County-owned park-and-ride facilities where the majority of charging station
102 use will take place before 10:00 a.m.;

103 B. County-owned, leased or partnering organizations' vanpool destination sites
104 where the majority of charging station use will be for peak-period commuters;

105 C. County-owned, leased or partnering organizations' vanshare origin parking
106 sites where the majority of charging station use will be for night and weekend parking,
107 and destination parking sites where the majority of charging station use will be during the
108 day; and

109 D. King County fleet facility parking locations.

110 SECTION 3. The program will provide public benefits by granting the general
111 public access to non-park-and-ride charging stations when the stations are not being used

112 to serve a direct county purpose as identified in section 2 of this ordinance, and all-day
113 access to charging stations at park-and-rides. This will maximize the daily use of the
114 charging stations and encourage the public to use electric vehicles, thereby reducing the
115 region's overall environmental impacts. The locations and the periods of time when the
116 general public may use the charging stations are:

117 A. All regular hours of operation for park and ride facilities;

118 B. Monday through Friday, after 6:00 p.m. or on weekends at county-owned,
119 leased or partnering organizations' vanpool destination sites when spaces would normally
120 remain empty;

121 C. At county-owned, leased or partnering organizations' vanshare origin sites
122 during weekday day-time periods when spaces would normally remain empty or be filled
123 by nonelectric vehicles driven by the general public, and vanshare destination sites at
124 nights and on weekends when spaces would normally remain empty;

125 D. At county fleet parking facilities when county vehicles vacate spaces on a
126 daily basis;

127 E. Time restrictions for public access to these facilities may be modified as
128 needed; and

129 F. Include signage or other method of designating when charging stations are
130 available for public use.

131 SECTION 4. In implementing an electric vehicle charging station program, the
132 county shall establish the following policies:

133 A. The county shall seek grant funding for capital costs and installation of
134 electric vehicle charging facilities;

135 B. A maximum of five hundred thousand dollars of county capital moneys may
136 be invested in electric utility upgrades to county properties in support of the program;

137 C. Operating costs for the project shall be fully recovered through flat-rate, time-
138 based or combination use fees for all vehicles using one of the county-regulated electric
139 vehicle charging stations located on county-owned, leased, or partnering organizations'
140 property. Any such fees will be authorized consistent with K.C.C. chapter 2.99. For the
141 purposes of this subsection, "operating costs" include, but are not limited to, the county's
142 costs of planning, outreach and administration, utility costs related to the charging
143 stations and facility enforcement costs.

144 D. Any supplemental capital costs in excess of the five-hundred-thousand-dollar
145 maximum that may be incurred by the county, and that are not financed through any grant
146 sources, shall also be fully recovered as part of the use fees;

147 E. The county shall coordinate with the Puget Sound Regional Council in their
148 planning and development of regulations concerning electric vehicle infrastructure as
149 required by the state Legislature in Chapter 459, Laws of Washington 2009;

150 F. Beginning in 2011, the executive shall transmit by June 30 of each year an
151 annual report to the council addressing affordability of user fees, usage of the charging
152 stations, cost recovery and public benefit related to King County participants and as
153 compared with other electric vehicle charging station deployments in and around the state
154 of Washington; and

155 G. The county shall retain the right to procure the services of third party entities
156 to install and operate charging stations. Such services may include:

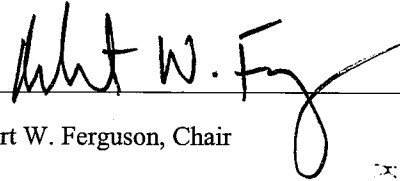
157 1. Installing charging stations;

- 158 2. Maintaining charging station infrastructure;
159 3. Managing payments; and
160 4. Managing and tracking charging facility usage.
161

Ordinance 16804 was introduced on 11/23/2009 and passed by the Metropolitan King County Council on 4/12/2010, by the following vote:

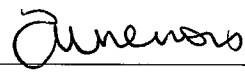
Yes: 7 - Ms. Drago, Mr. Phillips, Mr. Gossett, Ms. Hague, Ms. Patterson, Ms. Lambert and Mr. Dunn
No: 0
Excused: 2 - Mr. von Reichbauer and Mr. Ferguson

KING COUNTY COUNCIL
KING COUNTY, WASHINGTON



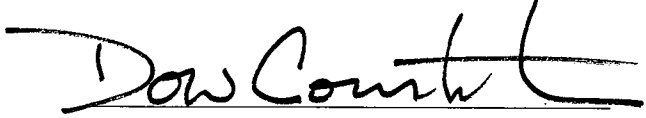
Robert W. Ferguson, Chair

ATTEST:



Anne Noris, Clerk of the Council

APPROVED this 22nd day of April, 2010.



Dow Constantine, County Executive

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CLERK
KING COUNTY COUNCIL

Attachments: None