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| Attachments:  |                    |

1 ..Title

2 AN ORDINANCE requiring the implementation of a  
3 strategy to accelerate the adoption of electric vehicles;  
4 amending Ordinance 17166, Section 2, as amended, and  
5 K.C.C. 18.50.010 and adding a new chapter to K.C.C. Title  
6 18.

7 ..Body

8 PREAMBLE:

9 According to the Puget Sound Clean Air Agency, the transportation sector is the  
10 largest source of carbon emissions in the Puget Sound region, accounting for over  
11 forty percent of greenhouse gas emissions into the atmosphere.

12 Outdoor air pollution is linked to increased rate of heart attacks, asthma, strokes,  
13 cancer and premature deaths.

14 Accelerating the rate of adoption of electric vehicles will help to reduce harmful  
15 air pollution from exhaust emissions, including greenhouse gas emissions.

16 In 2019 the Washington State Legislature passed, and Governor Inslee signed  
17 House Bill 2042, which became Chapter 287, Laws of Washington 2019, which  
18 included a suite of policies and incentives to increase the rate of electrification in  
19 the transportation sector.

20 King County plays an important role in reducing greenhouse gas emissions from  
21 transportation.

22 King County's 2015 Strategic Climate Action Plan commits the county to  
23 reducing emissions in its transit bus fleet and in other vehicles used in county  
24 operations.

25 In 2018 the Intergovernmental Panel on Climate Change issued new warnings on  
26 the impact of climate change and documented that the global emissions need to be  
27 on the steep decline within the next decade to avoid the worst impacts of climate  
28 change.

29 King County must move faster and more aggressively to reduce greenhouse gas  
30 emissions.

31 The county is currently working to revise its Strategic Climate Action Plan to  
32 reflect the most recent data from the Intergovernmental Panel on Climate Change.  
33 King County can significantly reduce the region's greenhouse gas emissions from  
34 transportation and can improve air quality by taking actions now to accelerate the  
35 adoption of electric vehicles in the county's vehicle fleet, including transit buses,  
36 and partnering with stakeholders in the region to accelerate the equitable adoption  
37 of electrical vehicles in the region.

38 In 2017, the executive transmitted to the Council the Feasibility of Achieving a  
39 Carbon-Neutral or Zero-Emission Fleet Report, which recommended that King  
40 County transition to a zero-emission fleet by as early as 2034 and no later than  
41 2040. This study guides investment in service and infrastructure, with an  
42 emphasis on equitable distribution of benefits.

43 In February 2019, consistent with Ordinance 18810, the executive transmitted to  
44 the Council the Implementation Plan for a Carbon Neutral King County

45 Government, focused on accelerating deep reductions in greenhouse gas  
46 emissions from county government operations. The Executive-recommended plan  
47 modeled the potential emissions reductions of multiple strategies to reduce  
48 emissions by 80 percent by 2030, including the acceleration of the transition to a  
49 zero-emission bus fleet, and the electrification of the broad range of other fleets  
50 used in county government operations.

51 The county, as part of the update to the Strategic Climate Action Plan update, is  
52 evaluating cost and implementation feasibility of transitioning its non-bus fleets to  
53 electricity.

54 King County Metro operates multiple transit fleets with diverse service delivery  
55 models, which have their own service needs and safety requirements. Currently,  
56 King County operates over 1,400 hybrid transit buses, 174 all-electric trolley  
57 buses, 11 battery-electric buses, and 84 propane-fueled paratransit vehicles.

58 Current King County Code requires rideshare fleet vehicles to recover one-  
59 hundred percent of operating and capital costs.

60 King County is leading the nation in transitioning to an all-electric bus fleet and in  
61 2017 committed to move to a zero-emission fleet by 2040.

62 In 2018, King County leased ten battery electric buses from three manufacturers  
63 for performance testing to inform future battery bus purchases.

64 In 2020, King County will order one hundred twenty electric battery buses, and in  
65 2021 will begin electric bus operations in South King County.

66 King County recognizes that low-income, immigrant, and communities of color  
67 are disproportionately impacted by air pollution and has committed to prioritizing  
68 initial deployment of its battery bus fleet in South King County.

69 In addition to its transit fleet, the county owns approximately one thousand nine  
70 hundred and fifty light-, medium- and heavy-duty vehicles. The electrification of  
71 that fleet will reduce the greenhouse gas emissions associated with county  
72 operations and will reduce pollution in those areas in the vicinity of vehicle  
73 operations.

74 Accelerating the electrification of the county-owned, non-transit fleet will require  
75 significant investments in charging infrastructure, code and policy changes,  
76 partnerships with energy utilities, and the availability of vehicle technology.

77 Although electric vehicles significantly reduce air and climate pollution, low-  
78 income populations have barriers to access the benefits of electric vehicles.

79 For those King County residents not able to easily access public transit, increasing  
80 equitable access to electric vehicles can further reduce the region's greenhouse gas  
81 emissions from transportation and increase mobility options for low-income  
82 populations.

83 The Washington State Utilities and Transportation Commission has directed  
84 investor owned utilities to convene a Transportation Electrification Stakeholder  
85 Working Group to identify and develop policies and investments that accelerate  
86 access to electric vehicles, with particular emphasis on reducing barriers for low-  
87 income residents.

88 King County is working to reduce transportation related emissions with a broad  
89 coalition of stakeholders including King County cities, utilities, businesses, labor  
90 and those communities most disproportionately impacted by climate change and  
91 poor air quality.

92 BE IT ORDAINED BY THE COUNCIL OF KING COUNTY:

93 SECTION 1. Section 2 of this ordinance should constitute a new chapter in K.C.C. Title  
94 18.

95 NEW SECTION. SECTION 2.

96 A. The executive shall implement a "jump start" vehicle electrification strategy that  
97 seeks to accelerate the adoption of electric vehicles by the Metro transit department, other county  
98 agencies, and by residents. The strategy shall include actions across county agencies.

99 B. The Metro transit department shall:

100 1. Accelerate the Metro transit department's transition to one-hundred percent zero  
101 emissions bus fleet by 2035. To achieve that goal, the Metro transit department shall develop a  
102 battery bus infrastructure charging plan and identify the budget appropriations necessary to  
103 support a zero-emission bus fleet, and shall evaluate impacts on base capacity, service delivery,  
104 and ability to meet service expansion commitments in Metro Connects;

105 2. Accelerate the transition of the ADA paratransit services fleet such that sixty-seven  
106 percent of the ADA paratransit services fleet are zero-emissions electric vehicles by 2030. The  
107 Executive shall further evaluate and recommend strategies for overcoming current barriers to  
108 ADA paratransit services electrification, which include lack of current vehicle technology to  
109 meet service needs and lack of county ownership and control over property where paratransit  
110 vehicles would need to be charged;

111           3. Work to achieve a one-hundred-percent zero emission transit rideshare fleet by 2030  
112 and develop options by engaging with the Transportation Electrification Stakeholder Working  
113 Group to develop supportive utility policies, recommending the most cost-efficient approach and  
114 locations for vehicle charging at work places or homes of those hosting an electric vehicle from  
115 the county's rideshare fleet, coordinating with employers and local utilities to offer financial  
116 incentives to encourage the installation of charging infrastructure, and recommending code  
117 changes to provide greater flexibility for cost recovery for rideshare services; and

118           4. Increase the number of level-two two-hundred forty-volt electric vehicle chargers at  
119 King County operated park and rides with the goal of increasing the current number of installed  
120 chargers by five hundred percent by 2030.

121           C. The department of executive services shall:

122           1. Accelerate the electrification of the county fleet managed by the department of  
123 executive services so that 50 percent of light duty vehicles are transitioned to electric by 2025,  
124 and 100 percent by 2030; 50 percent of medium duty vehicles are transitioned to electric by 2028  
125 and 100 percent by 2033; and 50 percent of heavy duty vehicles are transitioned to electric  
126 vehicles by 2030 and 100% by 2035; and

127           2. Increase the number of level-two two-hundred-forty-volt electric vehicle chargers  
128 installed in county facilities with the goal of increasing the current number of installed chargers  
129 by five hundred percent by 2030.

130           3. To accelerate the electrification of the county fleet, the department of executive  
131 services shall develop an electric vehicle infrastructure plan that supports the fleet electrification  
132 goals in C. 1. for King County facilities. This study will outline the financial investment,

133 financing options, and technical resources needed. The electric vehicle infrastructure plan shall  
134 be developed in consultation with Puget Sound Energy and Seattle City Light.

135 D. The department of community and human services shall require any county  
136 investments in affordable housing to consider opportunities to provide access to electric vehicles.

137 E. The parks and recreation division shall increase the number of level-two two-hundred  
138 forty-volt electric vehicle chargers at King County operated parks with the goal of increasing our  
139 current number by five hundred percent by 2030.

140 F. The executive shall:

141 1. Participate in existing forums that convene regional stakeholders who are developing  
142 a regional electric vehicle infrastructure plan that focuses on an equitable distribution of  
143 resources, including vehicles, charging infrastructure, and benefits;

144 2. Transmit to the council revisions to the King County Code or other ordinances that  
145 would provide for consistency in the requirements for siting electric vehicle charging  
146 infrastructure and require new multi-family housing and commercial developments include  
147 charging infrastructure;

148 3. Transmit to the Council revisions to the King County code that facilitate the  
149 electrification of county fleets.

150 4. Partner with utilities and community organizations on a pilot program to facilitate  
151 access to electric vehicles and electric vehicle infrastructure, including shared mobility services,  
152 by low-income residents of King County;

153 5. Develop policies to encourage the adoption of electric vehicles by transportation  
154 network companies;

155           6. Work with cities within King County to share best practices and policies for  
156 encouraging the adoption of electric vehicles for their fleet and by residents.

157           SECTION 3. Ordinance 17166, Section 2, as amended, and K.C.C. 18.50.010 are hereby  
158 amended to read as follows:

159           The executive shall transmit by June 30 of every other year a report on the county's major  
160 environmental sustainability programs intended to reduce energy use, climate emissions, and  
161 resource use, and prepare for the impacts of climate change, as required in subsections A., B. and  
162 C. of this section. The executive shall transmit the report to council, filed in the form of a paper  
163 original and an electronic copy with the clerk of the council, who shall retain the original and  
164 provide an electronic copy to all councilmembers, the council chief of staff and the lead staff for  
165 the transportation economy and environment committee or its successor. The report shall be  
166 structured in a way that links actual performance to established goals and indicators and can  
167 inform policy choices, program priorities and investments in capital projects. The report should  
168 address the following:

169           A. Greenhouse gas emissions reductions, including:

170           1. Progress towards achieving the overarching greenhouse gas emissions reduction  
171 targets for both county government operations and the county as a whole;

172           2. Progress against targets and measures and updates on the implementation of  
173 strategies and priority actions in five goal areas for the strategic climate action plan:

174 transportation and land use; building and facilities energy; green building; consumption and  
175 materials management, including the environmental purchasing program; and forestry and  
176 agriculture; and



177           3. A summary of major expenses associated with the climate impacts research,  
178 community-scale emissions inventories, climate change community engagement, and climate  
179 change and energy efficiency partnerships with businesses and cities;

180           B. An update on implementation of climate preparedness strategies and priority actions  
181 recommended in the current strategic climate action plan;

182           C. An update on the implementation of the jump start transportation electrification  
183 strategy required in section 2 of this ordinance;

184           D. The green building program, as required in K.C.C. 18.17.020.M.1; and

185           ~~(D.)~~ E. The program to fund city projects to reduce energy demand, as required in  
186 Ordinance 18663, Section 3.

187           SECTION 4. The executive is encouraged to submit appropriations to the county council  
188 that will allow for installation of charging infrastructure for public use where legally permissible  
189 at park and ride locations, county parks with reasonable access to electricity and other county  
190 facilities used by the public. Funds shall also be available, in coordination with incentive  
191 programs offered by utilities, to support the installation of at-home charging infrastructure in  
192 single and multifamily homes, including affordable housing projects where the Department of  
193 Community and Human Service has investment, with priority for funding given to providing  
194 charging infrastructure to low-income households.