

1 [ ~~Hydrogen~~ Alternative Fuel Vehicle Feasibility Study]

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3 Resolution urging the Department of Administrative Services to conduct a feasibility study on  
4 the use of ~~hydrogen engine~~ alternative fuel vehicles in the City vehicle fleet.

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6 WHEREAS, it has long been the policy of the City and County of San Francisco to  
7 investigate and, if warranted, endorse and promote public policy and practices to improve the  
8 environment; and,

9 WHEREAS, the Department of Administrative Services / Central Shops Division  
10 operates the vehicle fleet for the City, including the light duty fleet of which 24% currently  
11 operates on alternative fuels; and,

12 WHEREAS, the City has investigated and started utilizing several alternative vehicle  
13 technologies, including electric vehicles, hybrid vehicles, and vehicles that use compressed  
14 natural gas (CNG) and biodiesel fuel, and

15 WHEREAS, ~~hydrogen~~ alternative fuel-technology vehicles demonstrate many  
16 environmental advantages over conventional combustion-engine vehicles, including a  
17 decreased reliance on fossil fuels to operate the vehicle and cleaner emissions including no  
18 creation of greenhouse gases ~~when produced using clean, renewable sources of energy to~~  
19 ~~improve the environment and public health; and,~~

20 WHEREAS, initial prototypes of hydrogen engine vehicles ~~have been demonstrated to~~  
21 ~~provide transportation without compromising~~ have demonstrated high reliability and strong  
22 performance of the vehicles; and,

23 WHEREAS, the State of California has launched the hydrogen fueling infrastructure is  
24 ~~growing, the State of California having launched a~~ “Hydrogen Highway” initiative that will

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1 ultimately result in a is planned to develop a network of fueling stations along major highways  
2 and increase public funding for hydrogen-related infrastructure; and,

3 WHEREAS, analyzing the possibility of purchasing hydrogen alternative fuel vehicles is  
4 consistent with the Department of Administrative Service's ongoing efforts to explore the use  
5 of non-fossil alternative fuel burning vehicles in the City's fleet, environmental — converting  
6 existing fleet vehicle could provide an affordable, low-risk method to evaluate alternative fuel  
7 technology and to begin incorporating vehicles into the fleet; therefore be it

8 WHEREAS, a feasibility study could result not only in improvements to the environment  
9 of San Francisco but also could have a positive financial impact for the City; now, therefore,  
10 be it

11 RESOLVED, That the Board of Supervisors hereby urges the Department of  
12 Administrative Services to conduct a feasibility study on the use of analyzing the possibility of  
13 hydrogen engine vehicles in the City vehicle fleet, and

14 FURTHER RESOLVED, that the Board of Supervisors urges the Department of  
15 Administrative Services to complete a comprehensive review of in conjunction with the Bay Air  
16 Quality Management District to assess and compare all available alternative technologies to  
17 traditional fossil-fuel burning combustion vehicles, including electric, hybrid, CNG, LNG and  
18 hydrogen vehicles, to determine to the extent possible which vehicle technologies or  
19 combination of technologies provide the greatest environmental benefits while meeting the  
20 city's cost and reliability requirements for its vehicle fleet.