

FILE NO. 011413

RESOLUTION NO. 649-01

1 [Resolution for the development of fuel cell technologies.]
2

3 **Resolution urging the Public Utilities Commission and other applicable departments to**
4 **facilitate development of a fuel cell energy program, to establish uses and applications**
5 **of fuel cell technology that will enhance and improve the reliability of operations**
6 **associated with San Francisco public buildings and infrastructure.**
7

8 WHEREAS, California's energy crisis has resulted in the need to rethink the manner in
9 which electric power is supplied to City facilities and services, due to the vulnerability of these
10 facilities and services to grid failure; and

11 WHEREAS, The technology-based economy of San Francisco is more dependent than
12 ever before on electricity; and,

13 WHEREAS, Electricity production supplying the grid is a major contributor to
14 greenhouse gases, which have been linked to concerns regarding global warning; and,

15 WHEREAS, Alternative, environmentally friendly, power systems offer a clean, reliable,
16 and quiet way to produce electricity that can enhance the reliability of our energy supplies
17 while reducing greenhouse gases; and,

18 WHEREAS, Fuel cells can provide safe, reliable electricity in lieu of power supplied by
19 the grid; and,

20 WHEREAS, Fuel cell technology can be deployed in distributed power generation
21 configurations at the point of use and in combination with cogeneration applications
22 combining heat and power systems; and,

23 WHEREAS, Fuel cell technology offers a viable means of providing safe, clean, silent,
24 and reliable electricity for the buildings and services of the City's various agencies,
25 departments, and enterprises; and,

1 WHEREAS, The deployment of fuel cells can mitigate the detrimental effects of grid
2 failure from overloading or seismic events and thereby decrease energy dependence as well
3 as diminish vulnerability of City facilities to rolling blackouts and other failures of the electric
4 grid; and,

5 WHEREAS, Fuel cell technology has been currently installed and reliably operating in
6 regular commercial applications for over five years; and,

7 WHEREAS, Fuel cell systems exist with a proven commercial track record that have
8 consistently achieved 90% or greater operating availability and have established service and
9 parts support; and,

10 WHEREAS, San Francisco desires to maintain the highest standards relative to the
11 implementation and use of environmentally-sound operating practices and energy production
12 technologies; now, therefore, be it

13 RESOLVED, That the expressed desire of the Board of Supervisors is as follows:

14 Section 1. The Public Utilities Commission and other applicable departments shall, with
15 due diligence and in a timely manner, facilitate the definition and implementation of a fuel cell
16 energy program.

17 Section 2. Evaluate the feasibility and cost-effectiveness of implementing fuel cell
18 projects for a period of at least ten years to sustain reliable operations for City facilities and
19 services.

20 Section 3. Identify for implementation fuel cell systems that have an established record
21 of operational safety and reliability and incorporate remote operational control procedures and
22 protocols.

23 Section 4. Procure and install fuel cell systems that meet or exceed specifications for
24 operations in Seismic Zone 4.



City and County of San Francisco

City Hall
1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102-4689

Tails Resolution

File Number: 011413

Date Passed:

Resolution urging the Public Utilities Commission and other applicable departments to facilitate development of a fuel cell energy program, to establish uses and applications of fuel cell technology that will enhance and improve the reliability of operations associated with San Francisco public buildings and infrastructure.

August 6, 2001 Board of Supervisors — AMENDED, AN AMENDMENT OF THE WHOLE
BEARING NEW TITLE

August 6, 2001 Board of Supervisors — ADOPTED AS AMENDED

Ayes: 9 - Ammiano, Hall, Leno, Maxwell, McGoldrick, Newsom, Peskin,
Sandoval, Yee

Absent: 2 - Daly, Gonzalez

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I hereby certify that the foregoing Resolution was ADOPTED AS AMENDED on August 6, 2001 by the Board of Supervisors of the City and County of San Francisco.



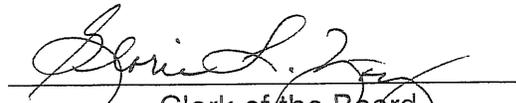
Gloria L. Young
Clerk of the Board

Date Approved

Mayor Willie L. Brown Jr.

Date: August 17, 2001

I hereby certify that the foregoing resolution, not being signed by the Mayor within the time limit as set forth in Section 3.103 of the Charter, became effective without his approval in accordance with the provision of said Section 3.103 of the Charter.



Clerk of the Board

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011413