

1 [Accept-Expend Foundation Grant]

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3 **Resolution authorizing the Department of the Environment to accept and expend a**
4 **grant in the amount of \$200,000 from the Sidney E. Frank Foundation to carry out the**
5 **critical task of engaging key stakeholders and interest groups to solicit input and build**
6 **support for a tidal energy project.**

7
8 WHEREAS, Based on the evaluation of responses to a request for proposal, the
9 Sidney E. Frank Foundation has selected the Department of the Environment's Energy
10 Program to be the recipient of \$200,000 in funding to engage key stakeholders in a process to
11 build support for a tidal energy in the San Francisco Bay; and,

12 WHEREAS, In May 2003, the San Francisco Board of Supervisors adopted resolution
13 296-03 to support the development of a pilot project for electric power generation from tidal
14 energy in San Francisco Bay; and,

15 WHEREAS, Building a tidal energy project at the Golden Gate will help the City meet
16 its growing energy needs from a clean, renewable, locally available source, and serve as a
17 catalyst for other large-scale, innovative renewable energy projects not only around the state
18 and country, but also for the rest of the world; and,

19 WHEREAS, the San Francisco Department of the Environment and San Francisco
20 Public Utilities Commission are working together to develop a small-scale pilot project to test
21 the applicability of the best available tidal energy technology in our waters, and to understand
22 the potential environmental impacts; and,

23 WHEREAS, San Francisco's unique tidal energy resource is unmatched in California or
24 anywhere else in the lower 48 states; and,

1 WHEREAS, The volume and speed of water passing through the Golden Gate,
2 coupled with the depth of water below the bridge itself, provide a near-perfect setting for the
3 deployment of a tidal energy generation system; and,

4 WHEREAS, It is conservatively estimated that the Golden Gate site has 35.5
5 megawatts of extractable average annual power, and that 15-17 average megawatts of this
6 power could be extracted by technologies currently in various stages of development; and,

7 WHEREAS, The cost of electricity generated, assuming incentives similar to those
8 provided to other renewable resources, is estimated at 6-9 cents per kilowatt-hour—a cost
9 competitive with current wind and natural gas generation; and,

10 WHEREAS, Tidal power has been used around the world since the early 1900s, but
11 never at the large, environmentally friendly scale becoming available today; and,

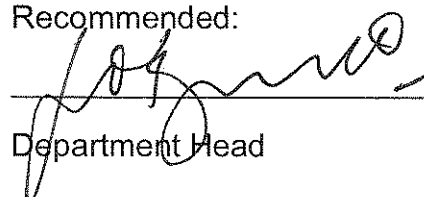
12 WHEREAS, Building on advances in the wind and off-shore oil industries, tidal power
13 generation has advanced significantly with improvements in turbine technologies; and,

14 WHEREAS, The grant does not require an ASO amendment; and,

15 WHEREAS, The grant budget does not include provision for indirect costs, however
16 does include provision for \$39,870 for departmental overhead; now, therefore, be it

17 RESOLVED, That the San Francisco Board of Supervisors authorizes the
18 Director of the Department of the Environment to accept and expend funding in the amount of
19 \$200,000 from the Sidney E. Frank Foundation to engage key stakeholders in a process to
20 build support for a tidal energy project at the Golden Gate.

21
22 Recommended:

23 
24 Department Head

Approved: 

for Mayor

Approved: 

for Controller



City and County of San Francisco

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

Tails
Resolution

File Number: 070176

Date Passed:

Resolution authorizing the Department of the Environment to accept and expend a grant in the amount of \$200,000 from the Sidney E. Frank Foundation to carry out the critical task of engaging key stakeholders and interest groups to solicit input and build support for a tidal energy project.

March 6, 2007 Board of Supervisors — ADOPTED

Ayes: 11 - Alioto-Pier, Ammiano, Daly, Dufty, Elsbernd, Jew, Maxwell,
McGoldrick, Mirkarimi, Peskin, Sandoval

File No. 070176

I hereby certify that the foregoing Resolution was ADOPTED on March 6, 2007 by the Board of Supervisors of the City and County of San Francisco.

3/9/07

Date Approved

Gloria L. Young
Clerk of the Board

Mayor Gavin Newsom