

Introduced by Senator Padilla

January 12, 2010

Senate Resolution No. 33—Relative to National Engineers Week.

1 WHEREAS, Engineers use their professional, scientific, and
2 technical knowledge and skills in creative and innovative ways to
3 solve problems; and

4 WHEREAS, Engineers have helped meet the major
5 technological challenges of our time, from rebuilding damaged
6 infrastructure after natural disasters, to designing an information
7 superhighway that will speed our country into the future; and

8 WHEREAS, Engineers are a crucial link in transforming
9 scientific discoveries into useful products, such as the creation of
10 lifesaving biomechanics to help us live longer; and

11 WHEREAS, Engineers plan, design, and direct the manufacture
12 or construction of nearly everything we interact with on a daily
13 basis, from computer microchips to highways, roads, and bridges,
14 residential and commercial buildings to automobiles and airplanes;
15 and

16 WHEREAS, Engineers are needed today and in the near future
17 to design and develop crucial infrastructure, including, but not
18 limited to, levees and waterways, roads and bridges, and
19 universities and schools; and

20 WHEREAS, Not only is a diverse and vigorous engineering
21 workforce needed, but we also need to encourage young men and
22 women to pursue the field of engineering as a career; and

23 WHEREAS, The 2007 National Academy of Sciences report
24 entitled “Rising Above the Gathering Storm” highlighted the
25 worrisome trend that fewer students now are focusing on

1 engineering in college at a time when increasing numbers of
2 today's engineers are nearing retirement; and

3 WHEREAS, A 2007 report by the California Council on Science
4 and Technology determined that California faces a persistent and
5 critical shortage of fully prepared mathematics and science
6 teachers; and

7 WHEREAS, There are distinguished leaders promoting the field
8 of engineering in California, such as the California Engineering
9 Education Council (CEEC), a nonprofit organization comprised
10 of public and private engineers, educators, and public officials
11 who recognize the need for more engineers to design and support
12 the construction of California's infrastructure; and

13 WHEREAS, CEEC is dedicated to creating and supporting
14 programs that encourage students to enter the field of engineering,
15 better prepare K-12 educators and students for engineering and
16 science-related coursework, and retain engineering students at the
17 college level; and

18 WHEREAS, National Engineers Week provides professional
19 engineers, community groups, teachers, parents, and students with
20 the opportunity to interact with and learn about the many facets
21 of the engineering profession through special educational programs;
22 and

23 WHEREAS, National Engineers Week aims to increase the
24 understanding of and interest in engineering and technology careers
25 and it also aims to promote literacy in mathematics and science;
26 and

27 WHEREAS, National Engineers Week is celebrated during the
28 week of George Washington's birthday to honor the contributions
29 that our first President of the United States, a military engineer
30 and land surveyor, made to engineering; now, therefore, be it

31 *Resolved by the Senate of the State of California*, That the Senate
32 hereby recognizes the week of February 14, 2010, to February 20,
33 2010, inclusive, as National Engineers Week and acknowledges
34 the services bestowed upon the citizens of California by engineers;
35 and be it further

36 *Resolved*, That the Secretary of the Senate transmit copies of
37 this resolution to the author for appropriate distribution.

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