

Introduced by Senator Cannella

February 10, 2014

Senate Resolution No. 27—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 with which we interact on a
13 daily basis, from computer microchips to highways, roads, and
14 bridges, residential and commercial buildings, to automobiles and
15 airplanes; 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, In 2010, the National Academy of Sciences, the
24 National Academy of Engineering, and the Institute of Medicine
25 issued a followup report entitled “Rising Above the Gathering
26 Storm, Revisited,” highlighting STEM (Science, Technology,

1 Engineering, Mathematics) education as a cornerstone to improving
2 America’s global prosperity through innovation; and

3 WHEREAS, The same report documented that fewer young
4 people are choosing the fields of science and engineering at a
5 critical time when an aging workforce is on the verge of retiring;
6 and

7 WHEREAS, The 2007 National Academy of Sciences report
8 entitled “Rising Above the Gathering Storm” highlighted the
9 worrisome trend that fewer students are now focusing on
10 engineering in college at a time when increasing numbers of
11 today’s engineers are nearing retirement; and

12 WHEREAS, A 2007 report by the California Council on Science
13 and Technology determined that California faces a persistent and
14 critical shortage of fully prepared mathematics and science
15 teachers; and

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

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

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

29 *Resolved by the Senate of the State of California*, That the Senate
30 hereby recognizes the week of February 17, 2014, to February 23,
31 2014, inclusive, as National Engineers Week and acknowledges
32 the services bestowed upon the citizens of California by engineers;
33 and be it further

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

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