

# CAFE 2011 Green Flight Challenge

## Revised Prize Structure

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*CAFE Foundation  
4370 Raymonde Way  
Santa Rosa, CA 95404-6231  
tel: 707-526-3925  
fax: 707-544-2734  
<http://cafefoundation.org>*

CAFE announced today that the CAFE Green Flight Challenge has been officially scheduled for Sunday, September 25 through Monday October 3, 2011. A revised prize structure for the event has been approved and is detailed below.

### Revised Prize Structure:

The Prize structure as set out in the AGREEMENT is hereby modified as follows:

a) Prize sharing: For those aircraft that satisfy all other provisions, qualifying requirements and performance thresholds of the AGREEMENT, FAQs and this Amendment;

1st Place or Highest score will be awarded one million, three hundred thousand U.S. dollars (US \$1,300,000.00)

2nd Highest score will be awarded \$80,000.00 U.S. dollars.

3rd Highest score will be awarded \$60,000.00 U.S. dollars.

4th Highest score will be awarded \$40,000.00 U.S. dollars.

5th Highest score will be awarded \$20,000.00 U.S. dollars.

b) Bio-Fuel Prize: The Bio-fuel Prize winner must achieve  $\geq 80$  mph and  $\geq 160$  pMPG in order to qualify for its \$150,000 prize.

c) If no bio-fueled aircraft achieves  $\geq 80$  mph and  $\geq 160$  pMPG, or if no bio-fueled aircraft qualify, then the Bio-fuel Prize funds will be applied to the prizes listed above in item (a) for aircraft that are not bio-fueled, as follows:

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1st Place or Highest score will be awarded one million, three hundred fifty thousand U.S. dollars (US \$1,350,000.00)

2nd Highest score will be awarded \$120,000.00 U.S. dollars

3rd Highest score will be awarded \$90,000.00 U.S. dollars

4th Highest score will be awarded \$60,000.00 U.S. dollars

5th Highest score will be awarded \$30,000.00 U.S. dollars

d) Near-tie scores: The method (previously described (page 21 of the AGREEMENT (Section 2.2, (d))) of dividing the GFC's overall First Place prize among teams that score within 1% of each other, shall be modified such that the computation will be based upon the new, revised amounts for the prizes, and will depend upon whether the Bio-Fuel Prize is awarded. An example of this revised computation is included as follows:

In the event that two or more teams achieve  $\geq 200$  Passenger MPGe and  $\geq 100$  mph with scores that are within 1% of each other, then the team(s) with the lower score(s) will share a portion of the 1st Place Prize. The total cash amount to be awarded in the case in which the Bio-Fuel Prize money has been won and the top two teams have scores within 1% of each other will be based upon the sum of the 1st Place and 2nd Place prize amounts. Determination of the award amounts shall be made by the judges in their sole discretion. By way of an example and without limitation, the formulae for computing the split of that amount, may be expressed as follows:

$$\text{Award 1} = \frac{P1 \times (S1 - (S1 \times 0.99)) + P2 \times (S2 - (S1 \times 0.99))}{((S1 - (S1 \times 0.99)) + (S2 - (S1 \times 0.99)))}$$

$$\text{Award 2} = \frac{P1 \times (S2 - (S1 \times 0.99)) + P2 \times (S1 - (S1 \times 0.99))}{((S1 - (S1 \times 0.99)) + (S2 - (S1 \times 0.99)))}$$

where S1 = score of highest scoring team

S2 = score of 2nd place team that achieves within 1% of S1 score

P1 = 1st place prize amount

P2 = 2nd place prize amount

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In the unlikely event that 3 or more teams achieve scores within 1% of the winner, a similar formula will be devised for that situation. The following example illustrates use of the above formula when the Bio-Fuel Prize has been separately awarded:

Team S1 achieves a score of 52.0, representing 100%

Team S2 achieves a score of 51.6, achieving 99.2% of S1's score

Team S3 achieves a score of 50.7, achieving 97.5% of S1's score

Team S1 Award =

$$\frac{(\$1,300,000 \times (52 - (52 \times 0.99)) + \$80,000 \times (51.6 - (52 \times 0.99)))}{((52 - (52 \times 0.99)) + (51.6 - (52 \times 0.99)))}$$

= \$1,071,250 prize money

Team S2 Award =

$$\frac{(\$1,300,000 \times (51.6 - (52 \times 0.99)) + \$80,000 \times (52 - (52 \times 0.99)))}{((52 - (52 \times 0.99)) + (51.6 - (52 \times 0.99)))}$$

= \$308,750 prize money

Team S3 Award = \$0.00 since S3 is not within 1% of the winning score of S1. However, by the revised prize structure of this Amendment, Team S3 would receive \$60,000.

If it were the case that the Bio-Fuel Prize had no winner and was not awarded, then the figure of \$80,000 for P2 in the above formulae would instead become \$120,000 and the resulting S1, S2 and S3 prize amounts would change accordingly.

e) The amount of the Honorary Achievement Prize listed in the AGREEMENT (Section 2.2, page 21) will be increased to two hundred fifty thousand U.S. dollars (US \$250,000.00) instead of the previous amount shown in the AGREEMENT (US \$153,000.00). The winner of this prize must achieve a score that surpasses that of all other competitors in a field of at least 3 competitors.

NOTE: These revisions to the prize structure mean that a Bio-Fueled aircraft (including hybrids) could potentially win both the Bio-Fuel Prize of \$150,000 and the Honorary Achievement Prize of \$250,000 while achieving 80+ mph and 160+ pMPG, but only if that aircraft's score surpassed the scores of ALL other aircraft, both electric and fueled, in the competition, and only if there were at least 3 competitors in the GFC.