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The complete results from the 1993 HEV Challenge, including the scores from the Technical Report event, can be found in Table 2 for the Ground-Up Class and Table 3 for the Escort Conversion Class. Many technical achievements and performance benchmarks for HEVs were set during this competition; a complete description of the competition's structure and outcomes, as well as an analysis of the results, will be published as a separate SAE paper.

On behalf of all the sponsors of the 1993 HEV Challenge, I thank you for your interest in the 1993 HEV Challenge. The impressive accomplishments of the teams of student engineers contained in this publication speak for themselves. If the reader has any questions concerning the organization of the competition or its outcomes, please contact me at 9700 S. Cass Avenue, Building 362-B209, Argonne, Illinois, 60440, USA.

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Table 3.		Technical Report	Engineering Design Event	Oral Presentation	Acceleration Event	Emissions Event	Commuter Challenge	APU Efficiency Event	Range Event	Electric Efficiency Event	Overall Efficiency Event	Cost Assessment Event	Penalty Points	Total Points
Final Scores for the 1993 Ford/DOE/SAE HEV Challenge														
Ford Escort Conversion Class														
California State University - Northridge	18	50	28	32	89	35	12	16	24	22	65			391
Colorado School of Mines	12	55	16	51	71	68	31	46	11	18	81			460
Colorado State University	34	84	34	8	74	45	22	38	8	20	50			417
Concordia University	75	103	10	78	82	76	35	34	9	48	101			651
Jordan College Energy Institute	14	35	18	44	0	55	8	24	22	28	53			301
Pennsylvania State University	0	25	8	56	67	103	14	42	18	14	61	(327)	81.2	
Seattle University	28.5	61	25	48	97	131	20	57	35	25	75			602.5
Stanford University	51	115	5	24	0	61	0	18	27	12	47			360
Texas Tech University	24	45	20	0	56	0	11	0	0	0	44	(222)	(21.5)	
United States Naval Academy	38	40	12	32	88	93	27	30	7	16	87	(10)	460	
University of Alberta	46	131	43	88	71	150	24	75	14	38	94			774
University of California - Irvine	21	0	7	0	0	0	0	0	0	0	25			53
University of Illinois	65	150	31	52	73	40	9	27	12	42	57			558
University of Wisconsin	57	68	38	68	0	0	0	14	18	0	41			304
Washington University - St. Louis	0	0	6	0	0	0	0	0	0	0	0			6
Wayne State University	28.5	30	14	46	106	50	16	51	10	34	87	(240)	232.7	
Weber State University	16	93	50	59	131	115	18	65	31	31	125			734
West Virginia University	42	76	22	44	48	84	10	21	18	55	70			490

United States Naval Academy 277

Wayne State University 289

Weber State University 303

University of Wisconsin-Madison 311

West Virginia University 321

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