

Challenge_2_Additional_Info

The Challenge 2 Sandbox dataset C2S6 (11/22/2020) with 38 scenarios from 12 network models (14-, 594-, 2000-, 2045-, 2380-, 2742-, 4226-, 4230-, 9459-, 9460-, 9462-, and 11152-buses) was released 11/22/2020. Previous versions C2S1 (9/1/2020), C2S2 (9/8/2020, 9/15/2020), CS3 (10/5/2020), CS4 (10/2020), CS5 (11/19/2020), and CS6 (11/20/2020) had errors.

The non-prize Event 1, closed December 4, 2020, with results from the 13 participating teams announced Jan. 8, 2021, and data (63 scenarios from 11 synthetic network models of 500-, 617-, 768-, 2020-, 2055-, 2312-, 5746-, 6469-, 8028-, 14204-, 15810-buses) released Jan. 22, 2021. The next Sandbox dataset C2S7 with 80 scenarios from 16 network models (617-, 793-, 2020-, 2312-, 4102-, 4230-, 5752-, 6473-, 8032-, 9459-, 9460-, 9462-, 12209-, 14212-, 24465-, 31777-buses) was released March 5, 2021.

The non-prize Event 2 closed May 4, 2021, with results from the 14 participating teams and data (54 scenarios from 13 synthetic network models of 617-, 2020-, 3022- 4200-, 4917-, 6100-, 7000-, 8300-, 10000-, 12209-, 17700-, 30000-, 31777-buses) released May 21.

The prize Event 3 closed June 30, 2021, with data (54 scenarios from 11 synthetic network models of 2020-, 3022-, 4200-, 4917-, 6100-, 7000-, 8300-, 10000-, 12209-, 30000-, 31777-buses) released July 17, and results from the 15 participating teams announced Aug. 1; 6 teams won \$600k (Artelyx, \$170k, Electric Stampede, \$140k, GravityX, \$130k; Pearl Street, \$70k, GMI-GO, \$60k; and Gordian Knot, \$30k). The next Sandbox dataset C2S9 had four 2020-bus scenarios with a unique data feature for phase shifting transformers that is within the problem formulation but was not well-represented in the synthetic examples in the trial events. It was, however, present in some of the industry scenarios planned for the Final event.

The \$1.8M prize Final Event (4) closed Aug. 12, 2021, with data (84 scenarios from 16 synthetic network models of 617-, 2020-, 2312-, 3288-, 3970-, 4200-, 4601-, 6100-, 7000-, 8300-, 8718-, 10480-, 12209-, 17700-, 19402-, 31777-buses) released Aug. 13, and results from the 16 participating teams announced 10/4/2021; 7 teams won prizes: GravityX, \$600k; GOT-BSI-OPF, \$420k; Artelys, \$360k, Pearl Street \$270k, GMI-GO, \$60k, Monday Mornings, \$60k, and GO-SNIP, \$30k.

Challenge 2 awarded \$2.4 million in prizes to 9 teams (GravityX, \$730k; Artelys, \$530k; GOT-BSI-OPF, \$420k; Pearl Street, \$340k; Electric Stampede, \$140k; GMI-GO, \$120k; Monday Mornings, \$60k; GO-SNIP, \$30k; and Gordian Knot, \$30k) while using 12.2 million CPU hours. A virtual [Outreach Event](#) was held October 5-6, 2021 to recognize the winners.