

**Progressive Insurance Automotive X PRIZE
Official Knock-Out Qualifying Results, June 29, 2010
Reason for Elimination in Red**

| Team | No. | Class | Status | Efficiency Event | | | | | | | Range Event | Exhaust Emissions | 60 -0 Braking (<= 170 ') | 0 - 60 Acceleration | Lateral Acceleration | Accident Avoidance Maneuver | 40 - 65 mph acceleration | Comments |
|------------------|-----|------------------|------------|------------------|-------------------|----------------------------|-----------------|----------------|---------------|---------------|-------------|-------------------|--------------------------|---------------------|----------------------|-----------------------------|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | Measured MPGe | Under GHG Maximum | Final MPGe after penalties | Urban Penalty % | City Penalty % | Hwy Penalty % | Other Penalty | | | | | | | | |
| American HyPower | 01 | Mainstream | Eliminated | 54.5 | -- | 54.5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | failure to meet minimum fuel economy requirement | |
| Spira | 04 | Alt-Tandem | Active | 84.8 | n/a | 75.4 | 0 | 20 | 10 | -- | 68 miles | Pass | Pass | 16.67 | 0.54 G | Pass; 46.0 mph | 9.9 s | two penalties in Efficiency Event for drive cycle violations; 20% penalty in emissions test due to drive cycle violations |
| EVX | 05 | Alt-Side-by-Side | Eliminated | No Data | -- | No Data | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | failed technical inspection |
| FVT | 06 | Alt-Tandem | Eliminated | 152.5 | Y | 129.8 | 50 | 50 | 0 | -- | 68 miles | Fail | -- | -- | -- | -- | -- | touching car violation during Efficiency Event; drive cycle violation during Efficiency Event; failure to complete emissions test |
| Zap | 08 | Alt-Side-by-Side | Active | 111.0 | Y | 87.5 | 10 | 0 | 30 | -- | 68 miles | n/a | Pass | 9.13 s | 0.85 G | Pass; 48.75 mph | 5.0 s | urban and highway drive cycle violations during Efficiency Event |
| Tata | 09 | Alt-Side-by-Side | Active | 134.3 | Y | 134.3 | 0 | 0 | 0 | -- | 68 miles | n/a | Pass | 11.72 s | 0.76 G | Pass; 45.14 mph | 8.13 s | |
| RaceAbout | 10 | Alt-Side-by-Side | Active | 128.1 | Y | 128.1 | 0 | 0 | 0 | -- | 68 miles | n/a | Pass | 8.4 s | 0.90 G | Pass; 45.46 mph | 4.07 s | |
| Optamotive | 12 | Alt-Side-by-Side | Eliminated | No Data | -- | No Data | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | not present for start of Efficiency Event |
| AMP | 13 | Alt-Side-by-Side | Active | 86.7 | Y | 73.8 | 10 | 0 | 20 | 10% | 68 miles | n/a | Pass | 17.85 s | 0.91 G | Pass; 46.55 mph | 20.0 s | highway drive cycle violation during Efficiency Event; 10% on Urban cycle of Efficiency Event for driving off the competition facility |
| W. Philly (MS) | 21 | Mainstream | Eliminated | 63.5 | -- | 63.5 | 0 | 0 | 0 | 150 Wh | -- | -- | -- | -- | -- | -- | -- | 12V battery recharging between cycles of Efficiency Event; failure to meet fuel economy requirement |
| W. Philly (Alt) | 22 | Alt-Side-by-Side | Eliminated | 53.7 | -- | 53.7 | 0 | 0 | 10 | -- | -- | -- | -- | -- | -- | -- | -- | drive cycle violation during highway cycle of Efficiency Event; failure to meet fuel economy requirement |
| Global-E | 26 | Alt-Side-by-Side | Eliminated | 50.4 | -- | 50.4 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | failure to meet minimum fuel economy requirement |
| Team Li-ion | 27 | Alt-Side-by-Side | Active | 182.3 | Y | 182.3 | 0 | 0 | 0 | -- | 68 miles | n/a | Pass | 17.9 s | 0.85 G | Pass; 45.96 mph | 16.2 s | |
| Aptera | 32 | Alt-Side-by-Side | Active | 140.1 | Y | 112.3 | 0 | 0 | 30 | -- | 70 miles | n/a | Pass | 10.63 s | 0.86 G | Pass; 47.63 mph | 10.52 s | 10% highway drive cycle violation and 20% spirit of the competition violation during Efficiency Event; 1 penalty lap on range test for failure to meet minimum lap time requirements |
| TW4XP | 33 | Alt-Side-by-Side | Active | 107.0 | Y | 101.0 | 10 | 20 | 0 | -- | 68 miles | n/a | Pass | 17.09 s | n/a | Pass; 46.99 mph | 19.48 s | urban and city drive cycle violations during Efficiency Event |
| W. Washington | 45 | Alt-Side-by-Side | Active | 92.5 | Y | 82.3 | 0 | 50 | 0 | 300 Wh | 68 miles | Pass | Pass | 17.54 s | 0.72 G | Pass; 46.10 mph | 10.04 s | penalties for touching car during city cycle of Efficiency Event; 12V battery replacement between cycles of Efficiency Event |
| Tango | 49 | Alt-Tandem | Active | 86.8 | Y | 86.8 | 0 | 0 | 0 | -- | 68 miles | n/a | Pass | 6.56 s | 0.74 G | Pass; 46.78 mph | 6.91 s | |
| BITW | 53 | Mainstream | Eliminated | 51.1 | -- | 51.1 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | failure to meet minimum fuel economy requirement |
| X-Tracer 72 | 72 | Alt-Tandem | Active | 180.0 | Y | 180.0 | 0 | 0 | 0 | -- | 68 miles | n/a | Pass | 6.3 s | 0.38G | Pass; 45.18 mph | 4.0 s | |
| Illuminati | 77 | Mainstream | Eliminated | 119.8 | Y | 119.8 | 0 | 0 | 0 | -- | 138 miles | n/a | Pass | Failed | -- | -- | -- | failure to achieve 0-60 mph acceleration in less than 15 seconds |
| X-Tracer 79 | 79 | Alt-Tandem | Active | 188.8 | Y | 171.6 | 100 | 0 | 0 | -- | 68 miles | n/a | Pass | 5.5 s | n/a | Pass; 45.84 mph | 4.06 s | urban cycle penalty for safety incident during Efficiency Event |
| Enginer | 88 | Mainstream | Eliminated | 53.0 | -- | 53.0 | 0 | 0 | 0 | -- | -- | -- | -- | -- | -- | -- | -- | failure to meet minimum fuel economy requirement |
| Edison2 #95 | 95 | Alt-Tandem | Active | 97.0 | n/a | 90.6 | 0 | 0 | 10 | -- | 68 miles | Pass | Pass | 16.89 s | 0.95 G | Pass; 47.49 mph | 11.34 s | highway drive cycle violation during Efficiency Event |
| Edison2 #96 | 96 | Alt-Side-by-Side | Eliminated | No Data | -- | No Data | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | failure to meet minimum fuel economy requirement |
| Edison2 #97 | 97 | Mainstream | Active | 101.4 | n/a | 67.3 | 0 | 0 | 50 | -- | 150 miles | Pass | Pass | 15.0 s | 1.18 G | Pass; 45.11 mph | 9.8 s | working on car penalty during highway drive cycle of Efficiency Event; 8 penalty laps on range event for failure to meet minimum lap time requirements |
| Edison2 #98 | 98 | Mainstream | Active | 80.3 | n/a | 80.3 | 0 | 0 | 0 | -- | 138 miles | Pass | Pass | 14.2 s | 0.94 G | Pass; 49.06 mph | 14.93 s | |

Final MPGe = Officially recorded fuel and/or meter, all penalties confirmed

NOTE: BEVs and PHEVs driving only on electricity need to achieve at least 74 MPGe to meet 300g GHG maxium based measured MPGe

| | | | | | |
|------------|-----------------------------|------|-------------------|---------|-----|
| Penalties: | Working on the car | 50% | RMS cumulative | 0.0-0.5 | 0% |
| | Pushing on the car | 50% | drive cycle error | 0.5-1.0 | 10% |
| | Significant Safety Incident | 100% | | 1.0-2.5 | 20% |
| | | | | > 2.5 | 50% |

Note: 0 -60 mph acceleration minimims = 15 s Mainstream; 18 s Alternative

Note: Accident avoidance maneuver minimum speed = 45 mph