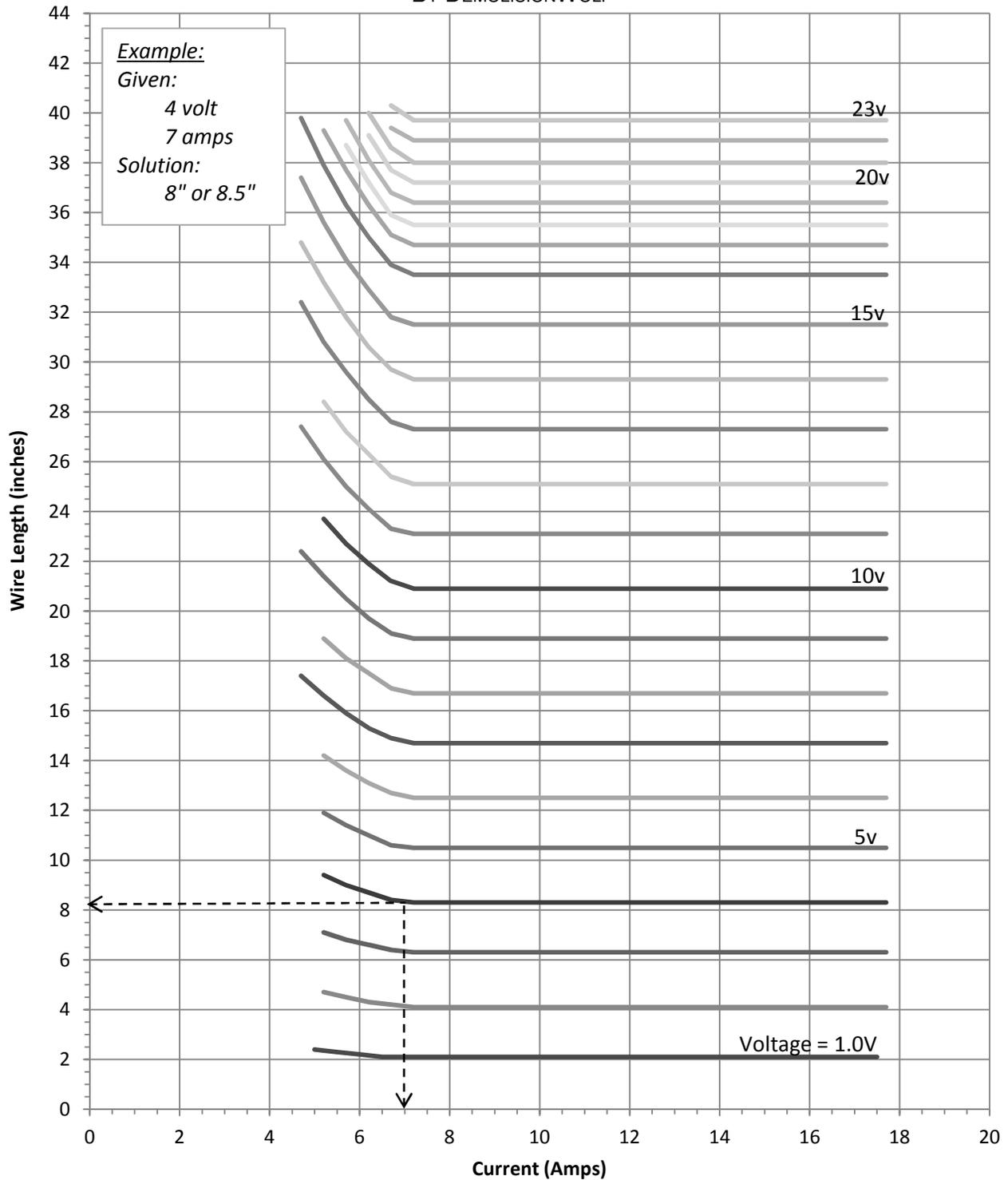


HOT WIRE CUTTER DESIGN CURVES

By DEMOLISIONWOLF

.012 DIA. STEEL



* To increase temperature of wire during testing, decrease length by 0.5" increments.
 ** Temperatures Range of curves: 464°F (240°C) to 860°F (460°C)
 *** Rounding of each variable in Trial & Error loop: Volts by 1, Current by 0.5, Length by 0.2
 **** Equations: $W=VI$, $I=VR$, $R=(PL)/A$, $P=P(1+\alpha\Delta)$
 Release 1, June 2013.