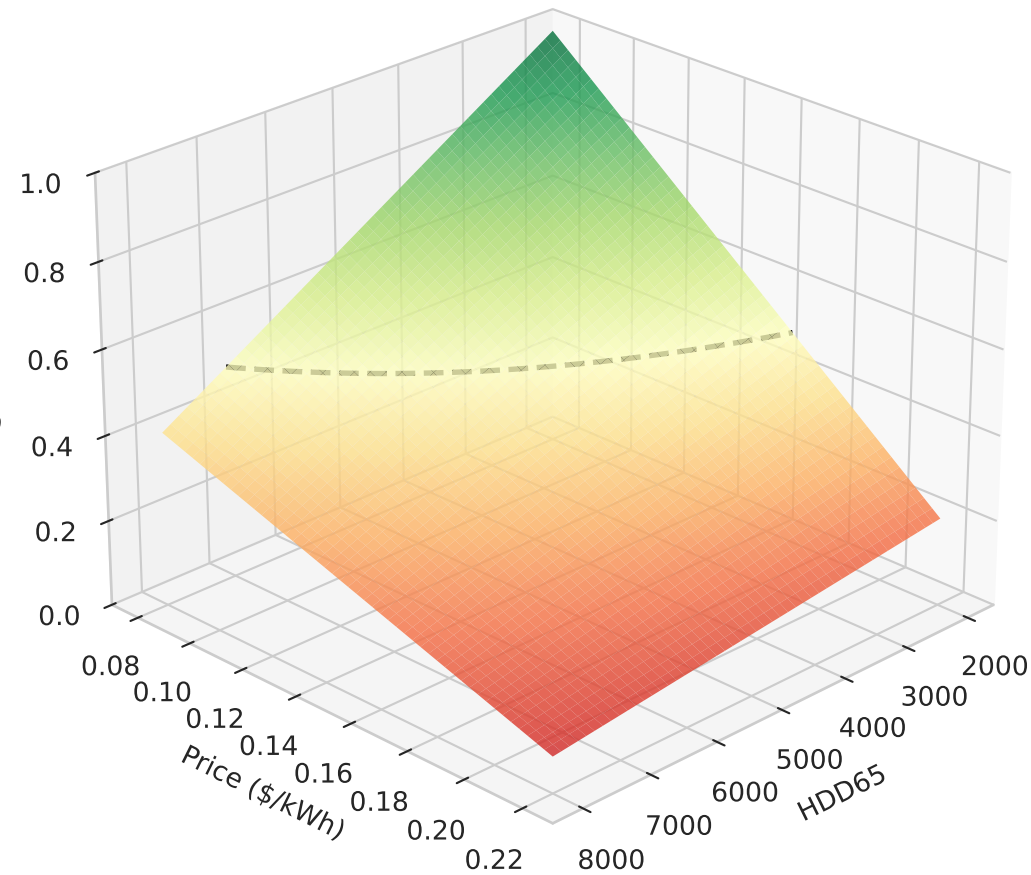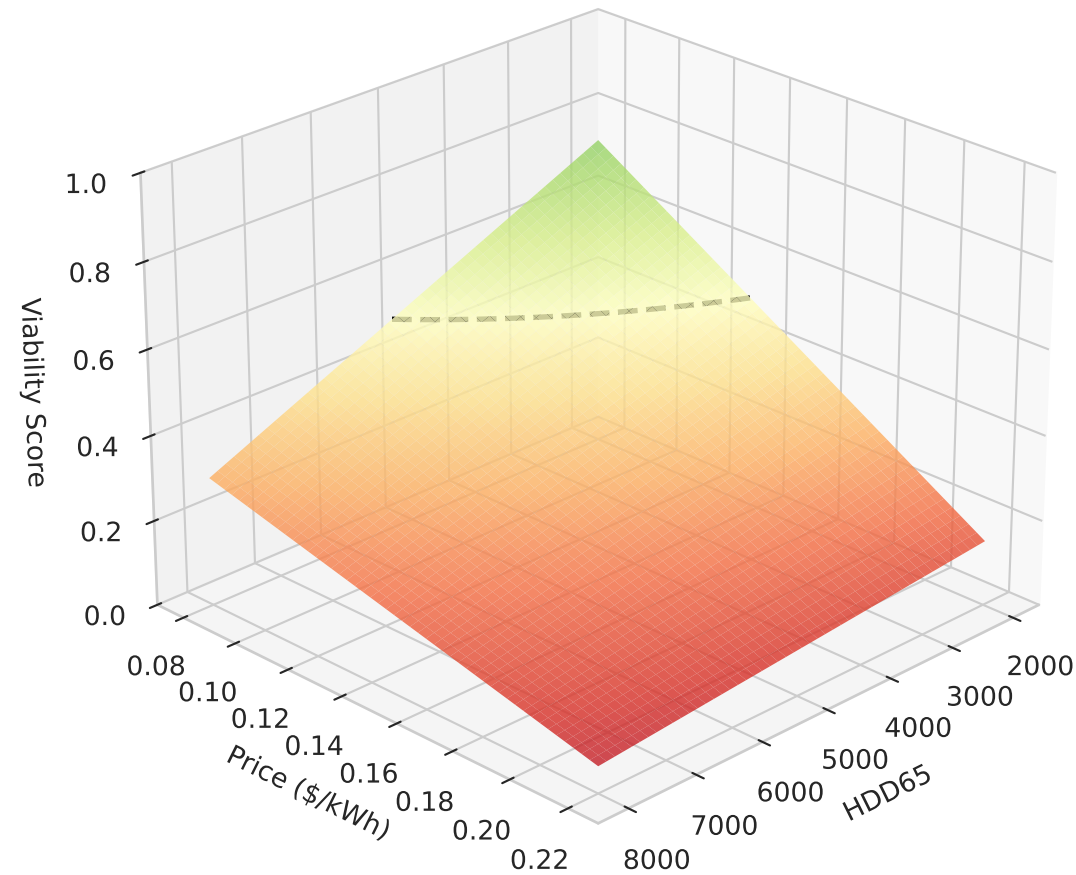**Figure 12: 3D HP Viability Score Surface**
$V = (1 - 0.59 \cdot H^*)(1 - 0.79 \cdot P^*) \cdot \gamma$ (Calibrated via regression, $R^2 \approx 0.85$)

Poor Envelope ($\gamma = 0.99$)

Medium Envelope ($\gamma = 0.74$)

Good Envelope ($\gamma = 0.49$)