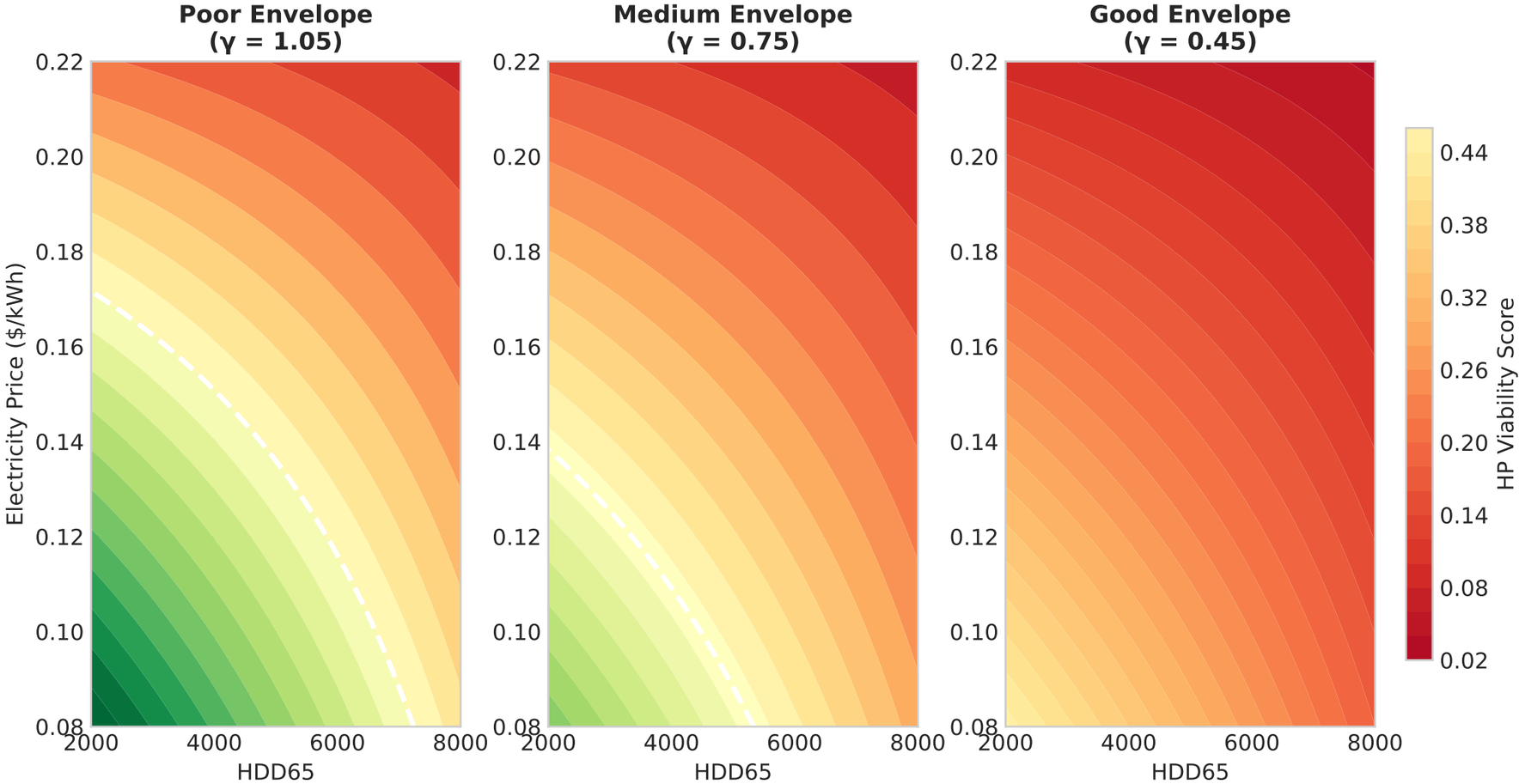
Figure 9: Heat Pump Viability Score by Climate, Price, and Envelope Class



HP Viability Score (V)

$$V = (1 - \alpha \cdot H^*) \times (1 - \beta \cdot P^*) \times \gamma$$

Where:
- $H^* = (HDD - 2000) / 6000$
- $P^* = (price - 0.08) / 0.14$
- $\alpha = 0.6$ (climate weight)
- $\beta = 0.8$ (price weight)
- γ = envelope factor

Interpretation:
- $V > 0.5 \rightarrow$ Viable (green)
- $V \approx 0.5 \rightarrow$ Conditional
- $V < 0.5 \rightarrow$ Low (red)

White dashed line = $V = 0.5$ (Tipping point boundary)