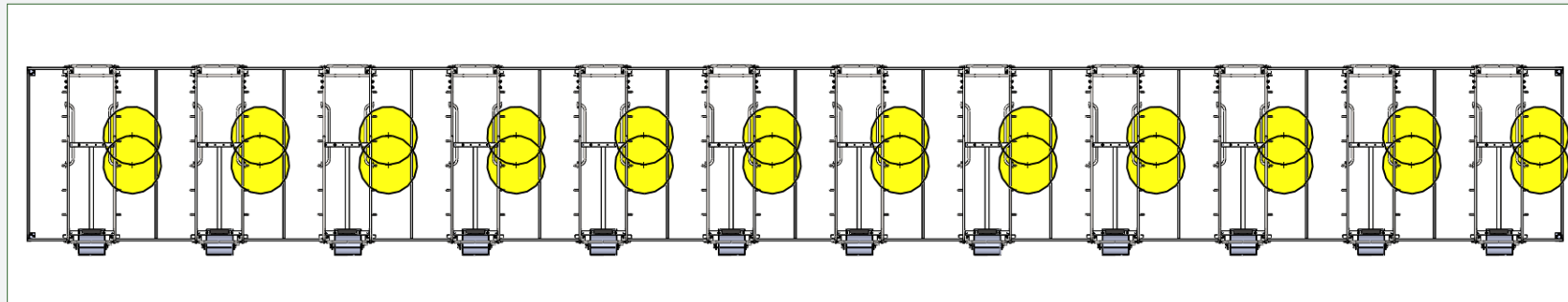


# STANFIELD® HEAT PADS PAY FOR THEMSELVES!

Operating  
Cost

**\$6,298**  
per year

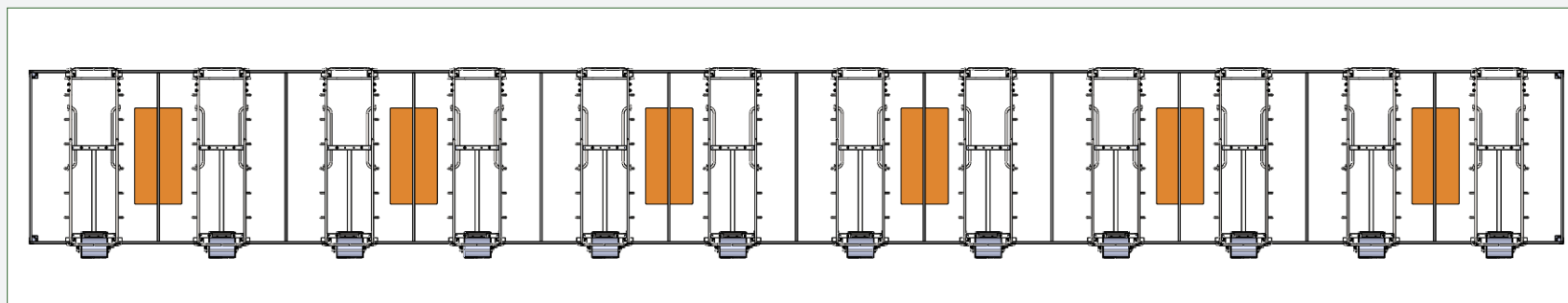
*Double 125 W  
Heat Lamps per stall.*



Operating  
Cost

**\$1,728**  
per year

*2x4' Stanfield Heat Pads at  
100 W per stall.*



Operating Cost  
Savings per Year

**\$4,570**

*Using 2 x 4' Stanfield Heat Pads  
instead of double 125 W heat lamps.  
Assumes each 125 W heat lamp is replaced four times per year.*

System Payback

**4.5  
months**

*Using 2 x 4' Stanfield Heat Pads  
instead of double 125 W heat lamps.*




**Healthy** piglets • **Comfortable** sows • **Save** energy

# OPERATING Costs


# PAYBACK Period

## Energy Use Formula



**Heat Lamps (Double 125 W Bulbs)**


$$\frac{250 \text{ W Heat Lamp}}{\text{Litter}} \times \frac{24 \text{ hours}}{\text{Day}} \times \frac{1 \text{ kWh}}{1,000 \text{ W/Hour}} = \frac{6 \text{ kWh}}{\text{Litter/Day}}$$



**Heat Pad**


$$\frac{100 \text{ W Heat Pad}}{\text{Litter}} \times \frac{24 \text{ hours}}{\text{Day}} \times \frac{1 \text{ kWh}}{1,000 \text{ W/Hour}} = \frac{2.4 \text{ kWh}}{\text{Litter/Day}}$$

## Energy Use Calculator



**Heat Lamps**

$$\frac{6 \text{ kWh}}{\text{Litter/Day (Energy Use)}} \times \frac{\$ 0.10}{\text{kWh (Energy Cost)}} = \frac{\$ 0.60}{\text{Litter/Day (Daily Cost)}} \times \frac{48}{\text{Stalls (\# of Stalls)}} \times \frac{1}{\text{Rooms (\# of Rooms)}} \times \frac{15}{\text{Turns (\# Turns Per Year)}} \times \frac{10}{\text{Days/Turn (\# Days per Turn)}} = \frac{\$ 4,320}{\text{Annually/Room (Cost Annually)}}$$



**Heat Pad**

$$\frac{2.4 \text{ kWh}}{\text{Litter/Day (Energy Use)}} \times \frac{\$ 0.10}{\text{kWh (Energy Cost)}} = \frac{\$ 0.24}{\text{Litter/Day (Daily Cost)}} \times \frac{48}{\text{Stalls (\# of Stalls)}} \times \frac{1}{\text{Rooms (\# of Rooms)}} \times \frac{15}{\text{Turns (\# Turns Per Year)}} \times \frac{10}{\text{Days/Turn (\# Days per Turn)}} = \frac{\$ 1,728}{\text{Annually/Room (Cost Annually)}}$$

## Additional Operating Cost



**Replacement Heat Lamp Bulbs**

$$\frac{384 \text{ Bulbs}^*}{\text{Year}} \times \frac{\$ 5.15}{\text{Bulb}} = \frac{\$ 1,977.60}{\text{Bulbs/Year}} + \frac{\$ 4,320}{\text{Energy Cost}} = \frac{\$ 6,297.60}{\text{Annually/Room (Cost Annually)}}$$

\*Assumes every bulb will be replaced four times a year.

## Annual Operating Savings



$\frac{\$ 6,298}{\text{Annually/Room (Cost Annually)}}$



$\frac{\$ 1,728}{\text{Annually/Room (Cost Annually)}}$


=

## Operating Savings

**\$4,570**


Using 2 x 4' Stanfield Heat Pads instead of two 125 W heat lamps.  
Assumes each 125 W heat lamp is replaced four times per year.

## Initial Investment in Heat Lamps

Item	Price Each*	Quantity	Total Price
 Retroliter Fixture	\$ 15.49	96	\$ 1,487.04
125 W Bulb	\$ 5.15	96	\$ 494.40
Creep Mat	\$ 16.49	24	\$ 395.76
			<b>\$ 2,377.20</b>

**ADDITIONAL INVESTMENT** is required for heat lamp installation because two circuits per row are usually required. This is not included in the investment cost shown!

## Investment in Heat Pads

Item	Price Each*	Quantity	Total Price
 2 x 4' Stanfield Heat Pads	\$ 170	24	<b>\$ 4,080</b>

**STANFIELD® HEAT PADS** qualify for energy saving rebates. Check with your local utility provider to find out what rebates are available in your area!

## First Cost

$\frac{\$ 4,080}{\text{Heat Pads}}$

$\frac{\$ 2,377}{\text{Heat Lamps}}$

=

$\frac{\$ 1,703}{\text{First Cost Difference}}$

## System Payback

$\frac{\$ 1,703}{\text{First Cost Difference}}$

$\div$

$\frac{\$ 4,570}{\text{Annual Operating Savings}}$

=

$\frac{0.37}{\text{Time Until Payback (yrs)}}$

## System Payback

**4.5 months**

Using heat pads instead of heat lamps.  
Assumes each 125 W heat lamp is replaced four times per year. Stalls with heat pads use 1/2 of a 2 x 4' heat pad. Stalls with heat lamps use two 125 W heat lamps.

