

Repairs

Repairs are needed to maintain the building in a usable condition. To estimate repair costs use past years' repair bills and adjust them for any expected repair needs during the coming year. As an alternative, use a rate of 2 to 4 percent of the replacement value (not current value) of the building.

Utilities

Utilities are usually paid by the renter.

Calculating Rent

An example of calculating the cost of owning a hog finishing building is shown in Table 1. The building is a 1,100 head swine finishing building that is seven years old and has a replacement cost of \$235,000.

Table 1. What are the owner's costs?

Current building value	Item	Total Cost	Cash Cost
Replacement cost	\$235,000		
Total useful life (years)	20		
Age (years)	7		
Remaining life (years)	13		
(total life - age):			
Remaining percentage	65%		
(remaining life / total life)			
Current value	\$152,750		
(replacement cost x remaining percentage)			
Annual ownership costs (based on current value):			
Depreciation	7.7%	\$11,762	—
Return on investment	6.0%	9,165	—
Taxes & insurance	1.5%	<u>2,291</u>	<u>2,291</u>
Total ownership		\$23,218	\$2,291
Annual operating costs (if paid by owner) (based on replacement cost of \$235,000):			
Repairs	4%	<u>\$9,400</u>	<u>\$9,400</u>
Total operating		\$9,400	\$9,400
Total costs			
Total building costs		\$32,618	\$11,691
Pigs finished per year *		3,018	3,018
Cost per pig finished		\$10.81	\$3.87

*1,100 head capacity x 2.8 turns x .98 (2% death loss)

The building owner would like to cover all ownership costs plus generate a profit. In the example, a rental rate of \$32,618 (\$10.81 per pig finished) will cover ownership costs, and a rental rate above this will generate a profit.

At a minimum, the owner wants to cover cash or out-of-pocket expenditures. This would consist of taxes, insurance and repairs. In the example, this is a rental rate of \$11,691 (\$3.87 per pig finished). If the owner cannot receive enough rental income to cover cash expenditures, he/she should consider demolishing the building.

Tenant's Residual

Another method is to calculate how much income the tenant has available for rent payments after subtracting the tenant's costs associated with raising the livestock. By subtracting all costs except the cost of the building from the projected income, the renter knows the maximum rent that can be paid to break even.

The costs should include labor and fixed costs on machinery and other buildings. Machinery fixed costs include depreciation, return on investment, housing, and insurance. Any costs paid by the owner should not be included.

At a minimum, the renter wants to breakeven by covering all costs. If the rent is too high, the renter still could decide to rent it and receive less for labor or not completely cover other fixed costs. This may generate cash in the short term but would not be profitable in the long term.

An example of estimating how much rent the tenant can afford to pay is shown in Table 2. The same 1,100 head hog finishing building is used.

Table 2. How much can the renter afford?

	Per Head
Projected income	
Market hog (260 lb. x \$.70)*	\$182.00
Projected expenses (less building ownership)	
Feeder pig (50 lb.)	\$70.00
Interest on feeder pig (5 mo. @ 7%)	2.04
Feed	73.00
Veterinary and medical	4.00
Marketing and miscellaneous	4.00
Fuel, utilities, misc.	6.50
Interest on feed and other costs (2 mo. @ 7%)	1.30
Labor (\$14.00 per hr.)	2.80
Fixed costs of machinery ownership	<u>4.00</u>
Total	\$167.64
Residual left for rent (per pig)	\$14.36
Pigs finished per year **	3,018
Residual left for rent (building)	\$43,338

*Assumes 2 percent death loss.

**1,100 head capacity x 2.8 turns x .98 (2% death loss)

What Other Factors Should Be Considered?

There are several other factors that influence building rental rates. Livestock facilities differ in many respects.

Size – Prospective tenants want facilities that are the right size for their livestock production process. If the building is too small, the renter must find additional facilities somewhere else. If the building is too large, the facilities may be underutilized.

Obsolescence – Many older livestock facilities represent outdated technology that may increase operating costs or reduce livestock performance.

Condition – Damaged insulation or drafts affect livestock performance and increase utility costs.

Needs – Does the livestock building fit the renter's needs? A large open-front pole building may be in good condition, but not serve any useful purpose.

Location – If several farmers want to rent the building, the rent may be higher than if only one farmer wants to rent the building. Also, the distance from the renter's headquarters is important, because extra travel involves additional cost and time.

Conclusion

Both parties should be prepared when negotiating rents. Building owners should have a clear understanding of their costs and prospective renters should have production records that will allow them to compute their income potential under various rental rates to determine how much they can afford to pay. A written lease contract should be used whenever possible. See the [AgLease101](#) website for a sample farm building lease form.

... and justice for all

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