**O** PetScreening

## Nagical Math for Property Management

Presented by Victoria Cowart, CPM, NAAEI Faculty



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### **Ox PetScreening**

# **OperScreening**

PetScreening<sup>™</sup> helps housing providers manage residents' pets and assistance animals digitally while generating opportunities for pet-related revenue. The virtual screening platform standardizes risk-assessment for household pets by providing a digital Pet Profile and FIDO Score for each pet screened. PetScreening streamlines the assistance animal accommodation request review process while following HUD guidelines, and it helps limit unauthorized pets.

For more information, visit www.petscreening.com.

## **Magical Math for Property Management**

Property management is an investment exercise. By performing our management tasks with this in mind, we can enhance the quality of the lives of our residents, serve our owners, investors, company and teammates. Understanding performance metrics and calculations is key to accomplishing this. Gaining an understanding of common terms, statements, and calculations will help attendees communicate better, understand and realize goals, and understand the true dollar value of every team member's contributions.

This session will give attendees insight into:

- Occupancy related terms & calculations
- Financial terms, calculations of gross operating income
- Understanding operating & cash flow statements
- Understanding investment terms & calculating net operating income

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### **Meet the Presenter**

Victoria Cowart, CPM, NAAEI Faculty, is a multi-family industry member with extensive experience proving management and oversight for multifamily housing communities (conventional & subsidized), mobile home communities, and HOAs. She is a property management instructor and a proud graduate of the NAA Lyceum Program. Victoria obtained her degree in the Management of Human Resources and then her industry CPM designation. She was honored to be commissioned a SC "Palmetto Patriot." to receive the Charleston Regional Business Journal's Executive "Influential Women in Business," and the NAA AIMS Grassroots Member Advocate of the Year. Victoria has served the industry as President of both the local and state affiliates. She has proudly served the National Apartment Association as a Region IV Regional VP and as the Chair of four committees-most recently the Legislative Committee in 2021. She is passionate about education, simplification and creating ease and understanding for industry members. Victoria is a wife, mother and a proud PetScreening pack member who also leads her own "pride" of three pound-kitties.











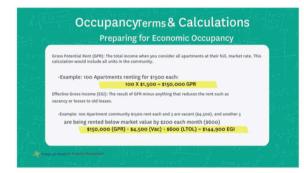
Magical Math for Property Management

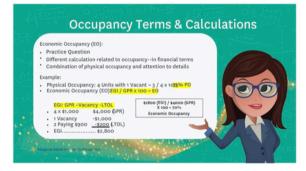


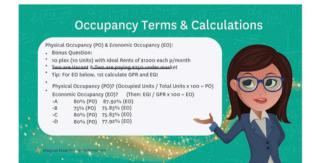
Physical Occupancy (PO)the percentage of apartments at Sea View Apartments that are occupied. "If you have a model, please ask if that counts as occupied for future calculations. • Example: 250 Apartments with 243 Occupied - Calculating Occupancy looks like this. 243 Occupied Apts / 250 Total Apts X 100 - 97.2% Occupancy

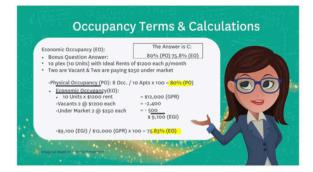
Vacancy: Percentage of the apartments at Sea View Apartments that are vacant. \*Same note: Is the model, if you have one, considered vacant for future calculations

Example: 250 Apartments with 7 Vacant - Calculating Vacancy looks like this...
 7 Vacant Apts / 250 Total Apts x 100 - 2.8% Vacancy












### Financial Terms, Statements & Calculations

INCOME

- Gross potential rent (GPR): Ideal revenue at Sea View Apartments with perfect conditions and everything is possible - all units at top market rents.
- Lost Income (LI): Vacancies, losses to old leases, concessions, etc.
  - Building the equation, we are now at GPR LI

Effective Gross Income (EGI):The difference between the GPR and the LI
 Building the equation, we are now at GPR - LI - EGI

### Financial Terms, Statements & Calculations

- OME 
   NCOME

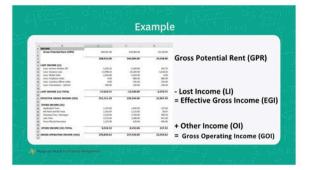
   Other income (OI): income other than rent. Here are a few examples from "ButterflyMX"

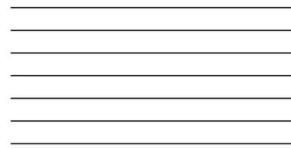
   Application fees, Late fees, Laundry, Parking rent/fees, Pet rent/fees

   Furniture rental, Early lease termination fees, Property damage fees

   -Amenity scenes, fees, etc...

   Building the equation, we are now at GPR - LI = EGI + OI
- Gross Operating Income (GOI): This is the money that you have to work with for Sea View Apartments, and it is the result of the terms above shown as: Building the equation, we are now at GPR - LI = EGI + OI = GOI





### Financial Terms, Statements & Calculations

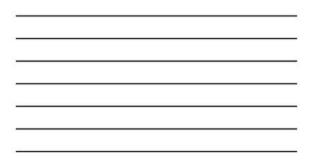
### EXPENSES

 Operating Expenses (OpEx): These are the day in and day out expenses and often do not change with occupancy. These are the costs as soon as you open the doors such as: salaries services you contract for, and then the "unavoidable" -- taxes, insurance and utilities all to sustain Sea View Apartments. ve are now at GOI - OpEx

• Net Operating Income (NOI):This is the difference between Gross Operating Income and the

Operating Expenses. Shown as: Building the equation, we are now at GOI - OpEx - NOI

	j(*± a#	200 U	Exam	ole	$\int (x \pm a)^{1/2} = \int (x \pm a)^$
30	GROSS OPERATING INCOME (GOT)	298,836.62	237,536.80	22,294.62	Gross Operating Income (GOI)
H.	EXPENSES				
42 44 45	TOTAL GENERAL & ADHINISTRATIVE	15,971.48	19,472.00	-296.68	
12	TOTAL ADVERTISING & PROHOTIONAL	3,162.50	4,163.00	1,006.50	
89 60 61	TOTAL REPAIRS & MAINTENANCE	3,481.00	3,900.00	428.00	
66 67 68	TOTAL REDECORATING / HAKE-READY	7,858.47	\$,515.00	1,856.13	
77.	TOTAL UTILITIES	35,773.39	37,267.00	1,493.32	
2					
82	OPERATING EXPENSES TOTAL (OpEx)	70,346.83	24,517.00	4,376.37	<ul> <li>Operating Expenses (OpEx)</li> </ul>
80 H	NET OPERATING INCOME (NOII)	189,583.79	143,019.00	24,564.79	= Net Operating Income (NOI)



### Financial Terms, Statements & Calculations

#### BUILDING TO A FULL CASH FLOW REPORT ...

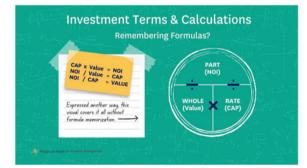
BUILDING TO A FULL CASH FLOW REPORT...
Debt Service (DS): This is the mortgage for Sea View Apartments.
Capital Expense (Capita): These are the higher end expenses for the community or the units. These are capitalized meaning the cost is spread out over time (useful life of the item). These are unit Rtems (HAVC systems, water heaters, etc.), unit features (Broing, appliances, etc.), end with a is left over for a period at Sea View Apartments, or not, after you consider income, all operating expenses, the debt service and the capital expenses. How much money is this asset making at the end of the day? This, some will say, is the most important report for the owner. Their interests do not stop at NOI!

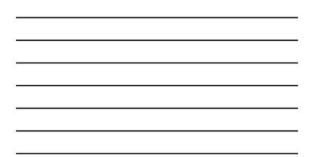
Building the equation, we are now at NOI - Debt Service - CapEx = Cash Flow

6 A		0	D	
NET OPERATING INCOME	(NOI) 189,563	.79 163,819.06	0 26,564.79	Net Operating Income (NOI)
TOTAL DEBT SERVICE	31,000	31,000.06	0.00	- Debt Service
CAPITAL EXPENSES (Copil)	x) TOTAL 4,000	.00 14,130.00	0 18,130.00	- Capital Expenses (CapEx)
CASH FLOW	154,583	79 117,689.00	0 36,654.79	= Cash Flow









### Examples

•A property with an annual NOI of \$250,000 per year sold for \$5,000,000. What is the CAP Rate?

• \$250,000 / \$5,000,000 = .05 x 100 (to express as a %) 5% CAP Rate

•A property in an area with a 4% CAP rate recently sold for \$23 million. What is the NOI for this community? . \$23,000,000 x .04 = \$920,000 NOI

•A property with an NOI of \$325,000 in a 3.5% CAP rate area. What is the value for

the property? • \$325,000 / .035 = \$9,285,714

## **Investment Terms & Calculations**

Here's the mathematic bottom line in that... A Dollar at a 5% CAP is worth (magic wand here) \$20.00! A Dollar at a 4% CAP is worth (swish again) \$25.00! \$28.57!

A Dollar at a 3.5% CAP is worth (last swish) Rule of thumb: As the CAP rate lowers, the dollar is worth more. It's like the size of the slices of a pizza when there are less people to divide it among. The smaller the group of friends, the bigger the slices of the

> Contraction of the



### Investment Terms & Calculations | Results

### You can increase income & value...

Rent increase of \$100 per month @ a 5% CAP does what?
 Application fees 4 per month @\$75 @ a 4% CAP does what?
 New Monthly Pet Fees 8 per month @\$40 @ a 4% CAP does what?

### You can decrease income & value...

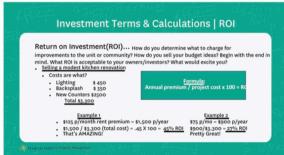
- Paying to sparkle 5 units p/month @335 each @ a 4% CAP does what?
   Wow Fridge magically disappearing @stoo each time 20 extra times a
   year @ a 4% CAP does what to the value?
   'Drilling locks due to disorganized key management 2 per month @\$50
  - each @ a 5% CAP does what to value?

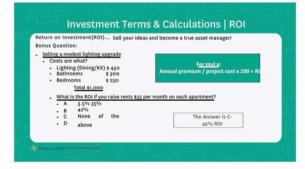
### Investment Terms & Calculations | Results

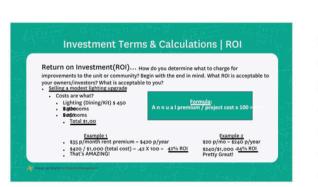
#### You can increase income & value...

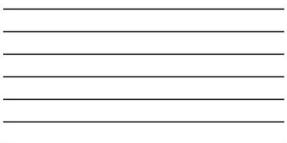
- Rent increase of \$100 per month @ a 5% CAP does what? \$100 x 12 months = \$1200 / .05 = \$24,000 INCREASE in property value
- You can decrease income & value...
- Paying to sparkle 5 units p/month @\$35 each @ a 4% CAP does what?
   5 x \$35 x 12 = \$2100 / .04 = \$52,500 DECREASE in property value

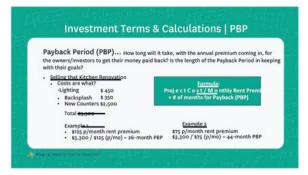
Bonus Questions:	
You can increase income & value	
<ul> <li>Using PetScreening to properly assess Assistance Animal</li> </ul>	
<ul> <li>12 new paying pets a year @\$600 annual value for each p</li> <li>A Increases Income \$7,200 per year</li> </ul>	et & a 5% CAP does what?
B Increases Property Value \$144,000	The Answer is C -
C Both A & B	Both A & B
You can decrease income & value	
Maintenance Staffing challenges? Compensating for delay	s in services to Residents or move
ins? Crediting 3 units p/month @\$150 each @4% CAP do	
<ul> <li>A Decreases Income \$450 per year</li> </ul>	
<ul> <li>The Ansidecreases Income \$5,400 per year</li> </ul>	
The Anstorie Stephnoome \$5,400 per year Both B & CC Decreases Property Value \$135,000 D Both B & C	











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### Notes


## Resources



Cash vs Accrual Accounting



The Most Important Formula in Multifamily Investing



Adding Value in the Age of Amenities Wars



Property Management Budget Guide



Capitalization Rate (Investopedia)



Best Practices: Asset Repositioning

## C PetScreening The Pet-Friendly Property Manager's Best Friend

PetScreening is the industry's first and leading solution for implementing smart pet policies at no cost to pet-friendly property managers, landlords and asset owners & operators.

Verify assistance animals per HUD guidelines

Boost opportunities for pet revenue

Protect your assets with better data

Get Started Today at PetScreening.com

### After you've run the numbers, let's chat!

Scan here to book a demo!



