

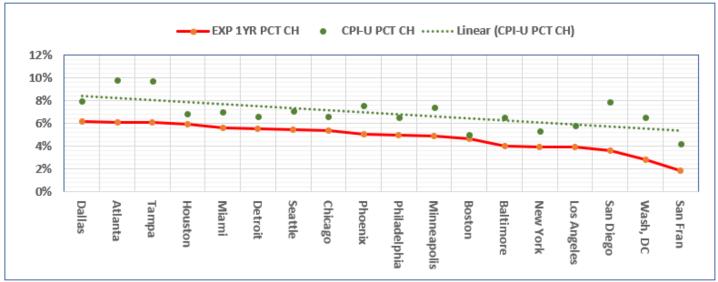
## **Underwriting Multifamily with Inflation and Rising Interest Rates**

## **Article 3: Expense Growth by Operating Statement Line-item**

May 30, 2022

**RECAP**: In Article 1 of this series, we reviewed Charts showing Interest Rates, CAP Rates, and Inflation (CPI) alongside Annual Growth in Multifamily Property-Level Revenue, Expense, and NOI. We noted that since 2017 Expense Growth incrementally outpaced Revenue Growth across properties in the MFC Dataset, and we would expect it to accelerate in an inflationary environment. In Article 2 we broke out Revenue, Expense, and NOI Growth by CMSA and noted significant dispersion between the highest and lowest Expense Growth. Additionally, we noted that this dispersion was consistent with differences in CMSA level CPI as measured by the BLS. This is illustrated in the Chart 1 below from Article 2.

Chart 1: 2021 Median Annual Revenue and Expense Growth versus 2021/2021 CPI-U Change



Source: Multifamily Comps, https://www.bls.gov/regions/

In this Article 3, we analyze Operating Statement Line-Items which most contributed to Expense Growth. Charts 2, 3, 4 below show 2021 Percentage Contribution to Total Expenses and Annual Growth for the 5 Operating Statement Line-Items comprising the largest percentage of Total Expenses for the full US Multifamily dataset, Dallas (highest 2021 Expense Growth), and San Francisco (lowest 2021 Expense Growth).

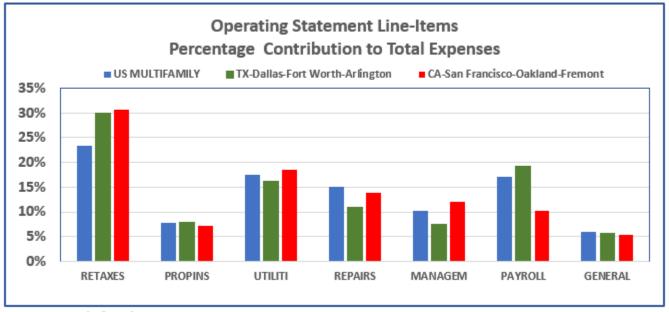
Chart 2: 2021 Percentage Contribution to Total Expenses and Growth by Operating Statement Line-Item

DATASET	EXP PERUNIT	RETAXES	PROPINS	UTILITI	REPAIRS	MANAGEM	PAYROLL	GENERAL
US MULTIFAMILY	\$637	23.42%	7.86%	17.48%	14.98%	10.32%	17.04%	6.04%
TX-Dallas-Fort Worth-Arlington	\$654	29.88%	7.83%	16.10%	10.92%	7.46%	19.30%	5.73%
CA-San Francisco-Oakland-Fren	\$902	30.54%	7.23%	18.59%	13.88%	11.96%	10.22%	5.37%
DATASET	EXP PCT CH	RETAXES	PROPINS	UTILITI	REPAIRS	MANAGEM	PAYROLL	GENERAL
US MULTIFAMILY	4.21%	3.35%	9.95%	5.26%	5.67%	4.84%	2.85%	3.42%
TX-Dallas-Fort Worth-Arlington	6.06%	6.28%	15.97%	5.69%	6.33%	5.27%	2.55%	5.08%
CA-San Francisco-Oakland-Fren	1.19%	0.92%	7.36%	3.53%	-3.72%	-1.19%	2.08%	-2.14%

Source: Multifamily Comps

Chart 3 is a visualization of the first section of Chart 2. Chart 4 is a visualization of the second section

Chart 3: 2021 Percentage Contributions to Total Expenses



Source: Multifamily Comps

Notice that for both Dallas and San Francisco, the Real Estate Taxes line-item represents both the largest percentage of total expenses and a larger percentage than the overall US Multifamily market. Across other line-items the most notable difference is San Francisco's relatively higher percentage of the Property Management line-item and correspondingly lower percentage to Payroll. This is most likely due to the San Francisco dataset having a higher concentration of smaller complexes (<100 units) which tend to have higher property management fees and limited on-site staff.

Chart 4: 2021 Annual Growth by Operating Statement Line-item



Source: Multifamily Comps

Our first takeaway is that Property Insurance experienced the highest percentage growth across all line-items. This has been a multi-year trend that accelerated in 2021 due to a variety of factors including natural disasters, higher costs of rebuilding, and reinsurance companies seeking to increase margins. Our final takeaway is the distinctive across-the-board higher growth in Dallas and lower growth in San Francisco than the overall US Multifamily market. Reflecting again on Chart 1 above, we see the importance of following localized inflation trends when underwriting multifamily assets. The

key takeaways for owners, underwriters, and appraisers are: 1) study CMSA-level inflation trends in <a href="www.bls.gov/regions/">www.bls.gov/regions/</a>; 2) carefully think through the impact of localized inflation for each Operating Statement line-item.

Multifamily Comps LLC (MFC): The MFC Database is comprised of 45,000+ Lender Underwritten Financials and Appraised Values, and 150,000+ serialized Operating Statements extracted from Multifamily CMBS Offering Circulars and Trustee Reports. The primary database concentration is Garden style apartments serving middle income households. The database also includes significant groupings of Mid-Rise, High-Rise, Senior, Healthcare, Student, and Manufactured Housing. The Multifamily Comps (MFC) Statistical Valuation (STATVAL™) Application provides an automated and cost-effective method to perform a Benchmark Underwriting using the Income Capitalization Method in a manner that statistically matches underwriting assumptions on recent Loan Originations. Once a Subject Property has been entered into STATVAL™, a Benchmark Underwriting may be executed in as little as 5-10 minutes and cost as little as \$200-\$300 per Property for Clients who take advantage of volume pricing discounts.

For further information, demos, and/or to set up a STATVAL™ User Account please contact our sales representatives:

Web Hughes, Director of Business Development, <a href="web@multifamilycomps.com">web@multifamilycomps.com</a>, 980-308-5222(m) Ashley Turso, Business Development Manager, ashley@multifamilycomps.com, 267-615-3995(m)

## www.MultifamilyComps.com

DISCLAIMER AND LIMITATION OF LIABILITY

THE CONTENTS ARE SUBJECT TO CHANGE WITHOUT NOTICE. MFC EXPRESSLY DISCLAIMS ANY OBLIGATION TO KEEP CONTENTS UP TO DATE OR FREE OF ERRORS OR VIRUSES, OR TO MAINTAIN UNINTERRUPTED ACCESS TO THE CONTENTS. THE CONTENTS ARE PROVIDED "AS IS.". MFC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS IN ANY CONTENTS, AND MFC MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER FOR THE CONTENTS. USE OF THE CONTENTS IS AT LICENSEE'S SOLE RISK. MFC DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTIES RELATED TO THE USE OF THE CONTENTS INCLUDING, WITHOUT LIMITATION, MERCHANTABILITY, SUITABILITY, NONINFRINGEMENT, OR FITNESS FOR ANY PARTICULAR PURPOSE. MFC SHALL NOT BE LIABLE FOR ANY ERRORS CONTAINED HEREIN OR FOR ANY DAMAGES WHATSOEVER ARISING OUT OF OR RELATED TO THE USE OF THE CONTENTS, INCLUDING, WITHOUT LIMITATION, DIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES, WHETHER UNDER A CONTRACT, TORT, OR ANY OTHER THEORY OF LIABILITY, EVEN IF MFC IS AWARE OF THE POSSIBILITY OF SUCH ERRORS OR DAMAGES. THE PROVISIONS OF THIS SECTION WILL NOT APPLY TO THE EXTENT THEY VIOLATE APPLICABLE LAW.