# **Attachment C**

Housing Needs Assessment, BAE Urban Economics

# bae urban economics

#### Memorandum

To: Jackson Family Investments III, LLC

Holman Teague Roche Anglin, LLP

From: BAE Urban Economics

Date: April 17, 2024

Re: Inn at the Abbey Housing Needs Assessment

### **Purpose**

This memorandum evaluates the potential worker housing need that would arise from the development of a proposed 79-room boutique hotel (the Project) at the Freemark Abbey Winery property in unincorporated Napa County, to the north of the City of St. Helena on State Highway 29 (St. Helena Highway). In addition, a "permitted" scenario based on what is permitted on the site under current zoning regulations is analyzed for comparison. Jackson Family Investments III, LLC ("JFI," owner of the Freemark Abbey Winery, or "applicant") and Holman Teague Roche Anglin (JFI's legal counsel) commissioned this analysis to better understand the potential impacts that the development will have on the need for housing in the area.

## **Project Description**

This memorandum analyzes two potential development scenarios for the Freemark Abbey Winery site. The Project is reflected in the "Proposed Scenario," which would include a restaurant, a boutique hotel with 79 guest rooms, retail and lounge space, a spa and fitness room, two pools, a parking garage and additional surface parking, a rooftop terrace, outdoor lawn and gathering spaces, and the use of several existing houses onsite for employee housing. The "Permitted Scenario" consists of full buildout of the Freemark Abbey property pursuant to the previous permitted and entitled uses on the site. This scenario includes a mix of commercial uses (two restaurants, a café, retail space, an art gallery, a five-room motel, and office space). Both the Proposed Scenario and the Permitted Scenario would include an existing tasting room and winery.

# **Housing Needs Assessment**

The following analysis estimates the employment on the winery property under the Proposed and Permitted Scenarios as well as the resulting need for housing for the workers that would fill these jobs. The analysis assesses the potential worker housing needs by income level, using government benchmarks for household income categories (i.e., extremely low-, very low-, low-, moderate-, and above moderate-income).

San Francisco Sacramento Los Angeles Washington DC Atlanta New York City

#### Total Proposed Scenario and Permitted Scenario Employment

According to information provided by JFI, the Proposed Scenario would result in employment at the winery site totaling to 103 full-time equivalent (FTE) positions, as shown in Table 1.1 Many of the new jobs in the Proposed Scenario would be associated with the proposed hotel, including some jobs in the restaurant (e.g., room service). Employment resulting from the Permitted Scenario would total 106 FTE positions, across a mix of uses also shown in Table 1. These include 13 new commercial FTEs, 6 office FTEs, additional restaurant FTEs to staff a second restaurant onsite, and three FTEs associated with a smaller hotel/motel operation.

Table 1: Employment by Scenario

	Number of FTEs		
	Proposed	Permitted	
Tasting Room/Winery	25	28	
Commercial	0	13	
Office	0	6	
Restaurant #1	37	28	
Restaurant #2	0	28	
Motel/Hotel	41	3	
Total	103	106	

Note: FTE=Full time equivalent job. One FTE position may be held by more than one part-time worker.

Source: Jackson Family Investments III, LLC, 2024; BAE, 2024.

#### **Projected Worker Incomes**

This analysis used wage and salary projections for the Project to assess individual worker incomes for the workers that would be employed at the Project in the Proposed Scenario. Because most households include more than one worker, a subsequent section of this analysis compares the data on the projected incomes for individual workers to other data sources to estimate total household incomes for these workers (i.e., annual income for the workers employed at the site plus income from any other members of their household).

For the two scenarios, the applicant supplied estimated wages or salaries for most positions in 2020, excluding those for the winery/tasting room and the office, and commercial space. Wage and salary information for the winery/tasting room were provided in March 2024. Where needed, wage and salary information has been updated based on the Consumer Price Index for All Urban Consumers for the Bay Area and is shown below on an FTE basis in Table 2 and Table 3. The information in these tables below covers all jobs onsite in each of the scenarios.

<sup>&</sup>lt;sup>1</sup> FTE, or full time equivalent, expresses job positions in terms of a full-time workload, assumed here to be 40 hours. For instance, two part time jobs at 20 hours per week are equivalent to one FTE position.

Table 2: Earnings Estimates for Proposed Scenario

		•				A
			FTE		Earnings	_ Annual
		# of FTE	Conversion	Total	per	Earnings
Department	Position	Positions	Factor	Workers	Worker	per Position
RESTAURANT 1	Executive Chef	1	1	1.00	\$141,200	\$141,200
	Manager	1	0.925	1.08	\$94,073	\$101,700
	Kitchen/Food Prep	2	1	2.00	\$79,100	\$79,100
	Kitchen/Food Prep	10	0.725	13.79	\$39,208 \$37,404	\$54,080 \$35,360
	Room Service Bar	4 3	0.775 0.8	5.16 3.75	\$27,404	\$35,360 \$47,840
	Restaurant	16	0.725	22.07	\$38,272 \$25,636	\$47,840 \$35,360
TOTAL RESTAU		<b>37</b>	0.723	48.85	Ψ25,050	ψ33,300
RESTAURANT 2	Executive Chef	0	1	0.00	na	\$141,200
	Manager	0	0.925	0.00	na	\$101,700
	Kitchen/Food Prep	0	1	0.00	na	\$79,100
	Kitchen/Food Prep	0	0.725	0.00	na	\$54,080
	Room Service	0	0.775	0.00	na	\$35,360
	Bar	0	0.8	0.00	na	\$47,840
TOTAL DESTAL	Restaurant	0	0.725	0.00	na	\$35,360
TOTAL RESTAU	RANI 2	0		0.00		
<u>HOTEL</u>	Front Office	1	1	1.00	\$84,700	\$84,700
	Front Office	1	0.9	1.11	\$50,850	\$56,500
	Front Office	6	0.9	6.67	\$43,056	\$47,840
	Bell	3	0.925	3.24	\$44,252	\$47,840
	Housekeeping	1	1	1.00	\$84,700	\$84,700
	Housekeeping	.1	1	1.00	\$56,500	\$56,500
	Housekeeping	12	0.9	13.33	\$35,568	\$39,520
TOTAL ROOMS		25		27.35		
SPA, RETAIL,	Spa	1	1	1.00	\$79,100	\$79,100
POOL &	Spa	3	1	3.00	\$52,000	\$52,000
<u>MAINTENANCE</u>	Pool	3	1	3.00	\$41,600	\$41,600
	Maintenance	1	1	1.00	\$84,700	\$84,700
	Maintenance	5	1	5.00	\$54,080	\$54,080
	Retail	1	0.75	1.33	\$39,000	\$52,000
TOTAL SPA, RE	TAIL, POOL & MAINT	14		14.33		
ADMINISTRATION	Administration	1	1	1.00	\$169,500	\$169,500
	Administration	1	0.9	1.11	\$59,904	\$66,560
TOTAL ADMINIS	STRATION	2		2.11		
WINERY & Ta	sting Room					
TASTING ROOM	Manager	1	1	1.00	\$85,000	\$85,000
TAOTING ROOM	Asst. Mgr	2	1	2.00	\$62,400	\$62,400
	Director Wine Club	1	1	1.00	\$150,000	\$150,000
	Asst Wine Club Mgr	1	1	1.00	\$62,400	\$62,400
	Operations Manager	1	1	1.00	\$80,000	\$80,000
	Operations Support	1	1	1.00	\$62,400	\$62,400
	Estate Host	3	0.8	3.75	\$41,600	\$52,000
	Maintenance Tech	1	1	1.00	\$50,000	\$50,000
	Landscape Maint	2	1	2.00	\$35,000	\$35,000
	Hopsitality Mgr	1	1	1.00	\$75,000	\$75,000
Wi	inery					
	Winemaker	1	1	1.00	\$200,000	\$200,000
	Maintenance Manager	1	1	1.00	\$115,000	\$115,000
	Maintenance Tech	1	1	1.00	\$75,000	\$75,000
	Lab Supervisor	1	1	1.00	\$80,000	\$80,000
	Lab Technician	2	1	2.00	\$50,000 \$70,000	\$50,000
	Cellar Supervisor Cellar Worker	1 4	1 1	1.00 4.00	\$70,000 \$55,000	\$70,000 \$55,000
TOTAL MINERY		4 <b>25</b>	ı		φυυ,υυυ	<b></b> დან,000
	TASTING ROOM			25.75		
COMMERCIAL/RETA	<u>AIL</u>	0				
<u>OFFICE</u>		0				
<del></del>						
PROPOSED PROJ	IECT TOTAL	103		118		
I KOI OOLD FROM	LUITAL	103		110		
T						

Note

All positions are expressed on an FTE basis, where FTE=Full time equivalent job. One FTE position may be held by more than one part-time worker.

Sources: U.S. Census, American Community Survey 2018-2022 Public Use Microdata Sample (PUMS); Jackson Family Investments III, LLC, 2020 and 2024; BAE, 2024.

Table 3: Earnings Estimates for Permitted Scenario

Table 5. Lai	illigs Estillates io	1 CHINE			Farnings	Annual
		# of FTE	FTE Conversion	Total	Earnings per	Annual Earnings
Department	Position	Positions	Factor	Workers	Worker	per Position
RESTAURANT 1	Executive Chef	1	1	1.00	\$141,200	\$141,200
	Manager	1	0.925	1.08	\$94,073	\$101,700
	Kitchen/Food Prep Kitchen/Food Prep	2 9	1 0.725	2.00 12.41	\$79,100 \$39,208	\$79,100 \$54,080
	Room Service	0	0.725	0.00	φ39,200 na	\$35,360
	Bar	Ö	0.8	0.00	na	\$47,840
	Restaurant	15	0.725	20.69	\$25,636	\$35,360
TOTAL REST	AURANT 1	28		37.18		
RESTAURANT 2	Executive Chef	1	1	1.00	\$141,200	\$141,200
	Manager Kitchen/Food Prep	1 2	0.925 1	1.08 2.00	\$94,073 \$79,100	\$101,700 \$79,100
	Kitchen/Food Prep	9	0.725	12.41	\$39,208	\$54,080
	Room Service	Ö	0.775	0.00	na	\$35,360
	Bar	0	0.8	0.00	na	\$47,840
	Restaurant	15	0.725	20.69	\$25,636	\$35,360
TOTAL REST		28		37.18		
<u>HOTEL</u>	Front Office	0	1	0.00	na ¢50.950	\$84,700
	Front Office Front Office	1 0	0.9 0.9	1.11 0.00	\$50,850 na	\$56,500 \$47,840
	Bell	0	0.925	0.00	na	\$47,840
	Housekeeping	0	1	0.00	na	\$84,700
	Housekeeping	0	1	0.00	na	\$56,500
	Housekeeping	2	0.9	2.22	\$35,568	\$39,520
TOTAL ROOM		3		3.33		
SPA, RETAIL,	Spa	0	1	0.00	na	\$79,100
POOL &	Spa	0	1	0.00	na	\$52,000
<u>MAINTENANCE</u>	Pool Maintenance	0 0	1 1	0.00	na	\$41,600 \$84,700
	Maintenance	0	1	0.00 0.00	na na	\$84,700 \$54,080
	Retail	0	0.75	0.00	na	\$52,000
TOTAL SPA,	RETAIL, POOL & MAINT	0		0.00		, , , , , , , , , , , , , , , , , , , ,
<u>ADMINISTRATION</u>	N Administration	0	1	0.00	na	\$169,500
	Administration	0	0.9	0.00	na	\$66,560
TOTAL ADMII		0				
	sting Room				***	407.000
TASTING ROOM	Manager	1	1 1	1.00	\$85,000 \$62.400	\$85,000
	Asst. Mgr Director Wine Club	2 1	1	2.00 1.00	\$62,400 \$150,000	\$62,400 \$150,000
	Asst Wine Club Mgr	1	1	1.00	\$62,400	\$62,400
	Operations Manager	1	1	1.00	\$80,000	\$80,000
	Operations Support	1	1	1.00	\$62,400	\$62,400
	Estate Host	4	0.8	5.00	\$41,600	\$52,000
	Maintenance Tech Landscape Maint	1 2	1 1	1.00 2.00	\$50,000 \$35,000	\$50,000 \$35,000
	Hopsitality Mgr	1	1	1.00	\$75,000 \$75,000	\$75,000
Wir	nery				, ,,,,,,	, ,,,,,,,,
	Winemaker	1	1	1.00	\$200,000	\$200,000
	Maintenance Manager	1	1	1.00	\$115,000	\$115,000
	Maintenance Tech Lab Supervisor	1 1	1 1	1.00 1.00	\$75,000 \$80,000	\$75,000 \$80,000
	Lab Technician	2	1	2.00	\$50,000	\$50,000
	Cellar Supervisor	1	1	1.00	\$70,000	\$70,000
	Cellar Worker	6	1	6.00	\$55,000	\$55,000
TOTAL WINE	RY/TASTING ROOM	28		29.00		
COMMERCIAL/RE	<u>ETAIL</u>	13		15.00		
<u>OFFICE</u>		6		6.00		
PROPOSED PR	OJECT TOTAL	106		127.70		
Note:						

Note:

All positions are expressed on an FTE basis, where FTE=Full time equivalent job. One FTE position may be held by more than one part-time worker.

Sources: U.S. Census, American Community Survey 2018-2022 Public Use Microdata Sample (PUMS); Jackson Family Investments III, LLC, 2020 and 2024; BAE, 2024.

The tables above also include a calculation to convert FTE positions to total workers. Some FTE positions will be held by part-time workers. This analysis uses the data shown in the tables above along with data from the Public Use Microdata Sample (PUMS), a rich data set based on the U.S. Census American Community Survey, to estimate individual worker incomes for the workers that would be employed at the Project. Derived from the actual individual records from a five percent sample of all persons in the U.S. per the American Community Survey, and available for certain defined areas with a population of 100,000 or more, PUMS provides data on typical weekly hours worked for employed persons and allows crosstabulation of variables such as industry and occupation of employment, wages, and household income. As a result, it is possible to develop a profile of typical earnings and household income for the types of workers employed in the two scenarios. The key assumption is that the workers in the Proposed Project and the Permitted Project will form households in a fashion similar to the workers with a similar profile as tabulated in the PUMS dataset. This analysis uses the most recent available PUMS data, from the 2018 through 2022 five-year period, and is based on a sample drawn from persons living in in either Sonoma or Napa Counties.<sup>2</sup> The hotel land use that covers all the new jobs in the Proposed Scenario is classified under the North American Industry Classification System (NAICS) as sector 721, Accommodation. The PUMS data further separates out NAICS 7211, Traveler Accommodation. which includes hotels, motels, and bed and breakfasts, but excludes campgrounds. The adjustment to FTEs to get to total workers uses PUMS data to estimate the usual hours worked weekly for workers by specific occupation or industry in order to estimate total workers per FTE for each type of job.

Applying FTE conversion factors by occupation derived from the PUMS data to the new positions associated provides an estimate of 118 workers associated with the 103 FTE positions with the Proposed Scenario and 128 workers associated with the 106 positions in the Permitted Scenario. These are shown in Table 2 and Table 3 above.

#### Worker Household Income Distribution

Since many worker households include more than one worker, this study groups the employees generated by the Proposed Scenario and the Permitted Scenario into households to estimate the total number of worker households generated by income level. This analysis uses PUMS data to estimate the average number of workers per household by HCD/ HUD³ income category (i.e., very low-, low-, moderate-, and above moderate-income) to assess the household incomes of workers employed at the Project in the Proposed Scenario and the Permitted Scenario. The following table provides the current household income levels by HCD-defined income categories.<sup>4</sup>

<sup>2</sup> Data from two counties were used because Napa County alone did not provide a sufficient sample size for the key sector of hotel workers.

<sup>&</sup>lt;sup>3</sup> HCD = California Housing and Community Development Department. HUD = U.S. Department of Housing and Urban Development.

 $<sup>^4</sup>$  For various reasons, HCD income limits may vary from the HUD income limits. This analysis uses the published HCD limits.

Table 4: 2023 HCD Income Limits for Napa County

			Num	ber of Perso	ns per House	ehold		
Income Level	1	2	3	4	5	6	7	8
Accutely Low	\$12,550	\$14,300	\$16,100	\$17,900	\$19,350	\$20,750	\$22,200	\$23,650
Extremely Low	\$26,500	\$30,300	\$34,100	\$37,850	\$40,900	\$43,950	\$46,950	\$50,000
Very Low Income	\$44,150	\$50,450	\$56,750	\$63,050	\$68,100	\$73,150	\$78,200	\$83,250
Low Income	\$70,550	\$80,600	\$90,700	\$100,750	\$108,850	\$116,900	\$124,950	\$133,000
Median Income	\$83,600	\$95,500	\$107,450	\$119,400	\$128,950	\$138,500	\$148,050	\$157,600
Moderate Income	\$100,300	\$114,650	\$128,950	\$143,300	\$154,750	\$166,250	\$177,700	\$189,150

Source: California Department of Housing and Community Development, 2023; BAE, 2024.

Based on the worker earnings for the Project shown in the tables above, the earnings for workers employed at the Project will be higher on average than the average among the workers reflected in the PUMS data for similar occupations. To adjust the PUMS data to better reflect the income distribution for workers in the Proposed Scenario, this analysis used only the PUMS data for workers earning \$25,000 or above to estimate the household income distribution for workers that would be employed at the Project in either scenario.

The difference between the Proposed and Permitted Scenarios includes additional office and commercial uses, a second restaurant, and a much smaller number of hotel workers in the Permitted Scenario, and some minor adjustments to the number of workers in some other categories. For the commercial and office uses for which no occupational or earnings profile is provided in the Proposed Scenario, a profile was developed using PUMS data on likely types of users in commercial and office space.

To estimate the total number of housing units needed to address the housing need attributable to the Proposed Scenario and the Permitted Scenario, BAE queried the PUMS data set to estimate the average number of worker households by HCD income category for working residents in Napa and Sonoma Counties. As shown in Table 5, the average number of workers per household ranges from 1.20 for acutely low-income households to 1.87 for above moderate- income households.

BAE then applied these estimates of the average workers per household by HCD income level to the estimated number of workers in each of the six income categories for the Proposed Scenario and the Permitted Scenario, as shown in Table 5. This calculation results in an estimate of the number of housing units needed, by affordability level, to fully address the housing needs under each of the scenarios. This housing need estimate captures the approximate number of units needed to house the workers attributable to the project assuming that workers form households living in traditional housing units, rather than living in group home settings that are provided on a per-bed basis. Therefore, the total housing need from each scenario is somewhat less than the total number of workers in each scenario and somewhat lower than the number of beds that would be needed to house the workforce in a group home setting. For the Proposed Scenario, there would be an estimated 72 households attributable to proposed land uses at build out (including existing uses), 32 of which would be lower-income households and 15 of which would be moderate-income households and the remaining 25 above moderate-income. For the Permitted Scenario, there would be an

estimated 78 households attributable to the entitled land uses at build out, 36 of which would be lower-income households and 14 of which would be moderate-income households and 28 above moderate-income.

Table 5: Estimated Worker Households by HCD Income Level by Scenario

	Proposed Scenario		Permitted Scenario			
		Households			Househ	olds
Income Level	Workers	Number	%	Workers	Number	%
Acutely Low	0	0	0%	0	0	0%
Extremely Low Income	5	4	6%	8	7	9%
Very Low Income	23	17	24%	24	17	22%
Low Income	16	11	15%	18	12	15%
Moderate Income	27	15	21%	25	14	18%
Above Moderate Income	<u>47</u>	<u>25</u>	<u>35%</u>	<u>53</u>	<u>28</u>	<u>36%</u>
Total	118	72	100%	127	78	100%

**Assumptions** 

Average Workers per Household by Household Income Leve				
Acutely Low	1.20			
Extremely Low	1.23			
Very Low	1.37			
Low	1.54			
Moderate	1.72			
Above Moderate	1.87			

Note:

Totals may not match other tables due to independent rounding.

Sources: California Department of Housing and Community Development (HCD); U.S. Census, American Community Survey 2018-2022 Public Use Microdata Sample (PUMS); Holman Teague Roche Anglin; BAE, 2024.

The data in Table 5 show that the Proposed Scenario would lead to a modest decrease in overall employee housing demand equal to approximately six fewer new housing units (for all income levels) as compared to the Permitted Scenario. This includes three fewer extremely low-income units, one fewer low-income unit, an increase of one moderate-income unit, and three fewer above moderate-income units. The differences in the proportionate distributions of housing needs by income category for the Proposed Scenario versus the Permitted Scenario are due to the variability of employee household incomes associated with the different mixes of development types under the different scenarios.

#### Hotel Worker Households

The proposed land use change in the Proposed Scenario is that of the 79-room boutique hotel. Upon approval, the hotel would operate in conjunction with the existing restaurant and winery/tasting room uses. Table 6 below highlights the housing needs from employees generated by hotel use only which includes workers associated with front office, bell staff, housekeeping, maintenance, administration, retail and spa.

Table 6: Estimated Worker Households by HCD Income Level – Hotel Workers Only

	Proposed Scenario				
		Households			
Income Level	Workers	Number	%		
Acutely Low	0	0	0%		
Extremely Low Income	0	0	0%		
Very Low Income	8	6	23%		
Low Income	7	4	17%		
Moderate Income	12	7	26%		
Above Moderate Income	<u>17</u>	<u>9</u>	<u>34%</u>		
Total	44	26	100%		

**Assumptions** 

Average Workers per Household I	by Household Income Leve
Acutely Low	1.20
Extremely Low	1.23
Very Low	1.37
Low	1.54
Moderate	1.72
Above Moderate	1.87

Note:

Totals may not match other tables due to independent rounding.

Sources: California Department of Housing and Community Development (HCD); U.S. Census, American Community Survey 2018-2022 Public Use Microdata Sample (PUMS); Holman Teague Roche Anglin; BAE, 2024.

BAE understands that JFI is considering addressing at least some of the worker housing needs from the Project by providing housing on site for employees, wherein workers may be housed by the bed rather than in traditional housing units. To the extent that some of the workers in the Project would not seek out traditional housing units because they would instead live in employee housing beds, the figures in Table 5 and Table 6 above could be adjusted to remove these workers from the new worker counts. This would reduce the overall number of new households that the new workers would form, and in turn reduce the overall housing need associated with the Project.

#### New Worker Household Affordable Housing Needs

While some of the worker households that the Project will generate will be able to afford market-rate housing in Napa County, others will generally need to be able to secure affordable housing in order to be able to afford housing costs in the area. Table 7 below shows the affordable rental rate for households at various sizes and income levels as well as the average rent for appropriately sized multifamily rental units in Napa County, as of January 2024. As shown, the average rent for a multifamily unit typically exceeds the affordability threshold for very low-income and low-income households, while moderate-income households are generally able to afford market-rate rental costs. However, it should be noted that there may be a shortage of available units in the County's housing stock that are affordable to moderate-income households, and that new market-rate units that are constructed in the future may be more costly than average among the County's existing housing stock and therefore unaffordable to moderate-income households. Moreover, the incomes for each income level shown in are at the top end of each income range, meaning that many households in each

income bracket will have somewhat lower incomes than those shown. This means that many moderate-income households will have incomes that are close to the 80 percent of AMI level, at which households are generally not able to afford market-rate rental housing in Napa County. This suggests a potential need for additional moderate-income units to address housing needs among new moderate-income households in Napa County, along with housing that targets deeper affordability levels.

Table 7: Market-Rate Rent Affordability Gap by Household Size and Income Level, Napa County, January 2024

	Household (Unit) Size				
	1 Person	2 Person	3 Person	4 Person	
Napa County	(1 BD) (a)	(1 BD)	(2 BD)	(3 BD)	
Average Market Rate Rent (b)	\$2,328	\$2,328	\$2,684	\$3,275	
Monthly Utility Costs (c)	\$68	\$68	\$94	\$120	
Very Low	Income				
Household Income (d)	\$46,750	\$53,400	\$60,100	\$66,750	
Max. Affordable Monthly Rent (e)	\$1,101	\$1,267	\$1,409	\$1,549	
Amount Above (Below) Market Rate Rent	(\$1,227)	(\$1,061)	(\$1,276)	(\$1,726)	
Low In	come				
Household Income (d)	\$74,700	\$85,400	\$96,050	\$106,700	
Max. Affordable Monthly Rent (e)	\$1,800	\$2,067	\$2,307	\$2,548	
Amount Above (Below) Market Rate Rent	(\$529)	(\$261)	(\$377)	(\$728)	
Moderate	Income				
Household Income (d)	\$108,850	\$124,400	\$139,950	\$155,500	
Max. Affordable Monthly Rent (e)	\$2,653	\$3,042	\$3,405	\$3,768	
Amount Above (Below) Market Rate Rent	\$325	\$714	\$721	\$493	

#### Notes:

Sources: CoStar Group, 2024; California Department of Housing and Community Development, 2023; Housing Authority of the City of Napa; BAE, 2024.

<sup>(</sup>a) Analysis uses the average rent for a one-bedroom unit to calculate the affordability gap for a one-person household because the average rent for a one-bedroom unit in Napa County is lower than the average rent for a studio unit in Napa County

<sup>(</sup>b) Average asking rent in multifamily properties with 20 or more units in Napa County during the 2024 year to date as of end of January.

<sup>(</sup>c) Housing Authority of the City of Napa utility allowances for multifamily properties, garden units. Allowances assume gas cooking, heating, and water heating, as well as electricity for lights and appliances.

<sup>(</sup>d) 2023 California Department of Housing and Community Development income limits for Napa County.

<sup>(</sup>e) Equal to 30% of gross monthly household income (the maximum amount that a household can spend on housing expenses without being considered cost-burdened), less monthly utility costs.