Occupant Survey

Welcome to the 2015 California New Homes Survey!

This survey is part of a research study on new homes in California. This research will help inform how new homes can provide adequate ventilation and good indoor air quality, while reducing air infiltration and energy use.

This survey takes about 15 minutes to complete. It asks questions about your home, household activities, and demographics. You can skip questions that you do not want to answer.

This research is being conducted by Lawrence Berkeley National Laboratory (LBNL) with funding from the California Energy Commission. Results will be used only for research on how to provide adequate ventilation and improve indoor air quality. In order to protect your privacy, the data will be encrypted and password protected.

D	lease return	VOLIE	completed	curvov in	tho	onvolono	provided
Г	iease return	voui	completed	Survey III	uie	envelope	provided.

If you have questions about the research study, please conta	ıct:
[Name of LBNL PI and contact information provided]	

Code number for home	1	Date completed	2

¹ Pre-filled for each home

² Pre-filled for each home

Please answer to the best of your knowledge. You can skip any questions that you do not want answer.

A. Home and Household Characteristics

1.	•	hat year was your house built? Year Built:							
2.	What is the size (floor area) of your home? Square Feet:								
3.	What year did you move into this home? Year Moved In:								
4.	. Do you own or rent your home? Own (If yes → 5, skip otherwise) Rent Other								
5.	Are yo	ou the first	owner of th	ne property	?		Yes / No)	
6.			ple current ople:		our home?				
	B. Air	Quality In	and Arou	nd Your H	ome				
7.	To wha	at extent ar	e vou satis	efied or disc	satisfied wi	th the indo	or air quali	ty in your h	nome?
	Very satisfied		o you outle	med or dio	Neutral	ar are <u>irree</u>	or an quan	<u>ty</u> iii yodi i	Very Satisfied
\	8. How would you rate the <u>outdoor air quality</u> near where you live? Very Neutral Excellent								
	Poor								
9.	How w	ould you ra	ate your ho	me in prot	ecting you	from outdo	or air pollu	tion?	
	Very ffective				Neutral				Very Effective

C. Comfort Level in Your Home

	Never	Few times a year	Few times in a month	Few times a week	Every day
Too hot in some room(s).					
Too cold in some room(s).					
In <u>summer</u> , how often is the to because some room(s) are to		Few times	Few times	Few times	Every
Too bot in come records)		a year	a month	a week	day
Too hot in some room(s).					
Too cold in some room(s).					
2. How often do the following co	nditions affect	the comfort o	f occupants i	n your home?	
2. How often do the following co	nditions affect Never	the comfort o Few times a year	f occupants i Few times a month	n your home? Few times a week	Every day
2. How often do the following co Too much air movement.		Few times	Few times	Few times	Every
	Never	Few times a year	Few times a month	Few times a week	Every day
Too much air movement.	Never	Few times a year	Few times a month	Few times a week	Every day
Too much air movement. Not enough air movement.	Never	Few times a year	Few times a month	Few times a week	Every day

D. Natural Gas Appliances and Mechanical Ventilation

13.	Which of the following heating appliances are used in your home? Select all that apply Central gas furnace Gas fireplace/ log set Gas wall furnace Freestanding gas heater Central electric heating or heat-pump Baseboard electric wall heater Freestanding electric heater Wood fireplace Freestanding propane heater Freestanding kerosene heater Other. Please describe:
	How often is the kitchen range hood or kitchen exhaust fan used when cooking with a cooktop? Always (5 out of 5 times) Most of the Time (4 out of 5 times) Sometimes (2 to 3 out of 5 times) Rarely (1 out of 5 times) Never (0 out of 5 times) Don't know
	If the kitchen range hood or kitchen exhaust fan is NOT always used, what are the reasons for not using it? Select all that apply. Forget to turn it on Not needed for what is being cooked Too noisy Doesn't seem to remove cooking fumes or odors Open window instead Uses too much energy Other. Please describe:
16.	Was the operation of the mechanical ventilation system explained to you when you bought or moved into the home? Yes No Don't know
17.	Do you feel you understand how to operate your mechanical ventilation system properly? Yes No Not Sure

Very Dissatisfied				Neutral				Very Satisfied
	s) for dissa Too noisy Too drafty Difficult to Difficult to . Uses too . Brings in . Not effec	operate maintain omuch en dust, odo	Select all ergy or, or air p	mechanica that apply. pollutants f	from outdo	oor	what are tl	ne

18. To what extent are you satisfied or dissatisfied with your mechanical ventilation system?

E. Occupancy and Indoor Activities

Spring

	, how many <u>hour</u> ly and night hour	<u>rs per day</u> is your s?	r home occupied	by at least on	e person,
	Fewer than 8 hours per day	8 to 12 hours per day	12 to 16 hours per day	16 to 20 hours per day	More than 20 hours per day
Weekday					
Weekend					
21. On average including bo		<u>s per week</u> is yo	ur cooktop and/c	or oven used fo	or cooking,
	0 time per week	1 to 2 times per week	3 to 4 times per week	5 to 6 time per week	
Breakfast					
Lunch	Lunch				
Dinner	Dinner				
Other cooking	g 🗆				
Enter "0" if on Use shower Use bath or Use dishwar Use washing	occurrence is les indoor Jacuzzi sher	(Times per v (Times per v (Loads per v			de your home?
F. Window	Opening				
23. On average	, how many <u>hou</u>	<u>rs per day</u> are yo	ur windows oper	า?	
	0 hour p day	er 1 to 2 hour per day	2 to 8 hours per day	8 to 16 hours per day	More than 16 hours per day
Summer					
Fall					
Winter					

G. Indoor Activities

Number of Pets:

24. On average, how often do the following activities occur inside your home?

	Never	Few times a year	Few times a month	Few times a week	Every day
Smoking					
Burn candle or incense					
Vacuuming					
Use cleaning agent for floor cleaning					
Use spray air freshener					
Use pesticide spray					
Use paints, glue, solvents (e.g., hobbies, home repairs)					
Use humidifier					
Use dehumidifier					
H. Other Indoor Sources 25. Are plug-in or stick air fresheners Yes No Don't know		scented decor	ations, used	in your home?	,
26. Do occupants wear shoes in you Yes No Don't know	r home?				
40. How many dogs, cats, or othe	er furry pe	ts are in the h	nome?		

I. Use of Air Cleaners

27.	Do you use a stand-alone (portable) air filter, air purifier, or air cleaner in the home? Yes No Don't know
28.	Where is your stand-alone (portable) air filter, air purifier, or air cleaner located in your home? Select all that apply Master bedroom Other bedroom(s) Living room Home office Other. Please describe:
29.	Has anyone in the household been diagnosed with asthma? Yes No Don't know
30.	Has anyone in the household been diagnosed with allergies? Yes No Don't know

J. Demographic Information

The next questions will help us interpret the results of the survey. All responses will be kept confidential.

31. Please indicate the number o	f household member(s) in the following age categories. Number of household member(s)
0 to 17 Years Old 18 to 65 Years old Over 65 Years old	
Some college Associate's degree College degree (Bad	eted ool (high school diploma, GED credential)
33. Please indicate all races and/ American Indian, Ala Asian or Pacific Islan Black, African Ameri Hispanic/ Latino White, Caucasian Other, specify: Mixed race, specify:	nder ican
34. What is the total income of all Less than \$35,000 \$35,000 to \$ 49,999 \$50,000 to \$ 74,999 \$75,000 to \$ 99,999 \$100,000 to \$150,000	

K. End of Survey

...... Greater than \$150,000

Thank you for filling out this survey! Your data is very valuable to our understanding of indoor air quality and mechanical ventilation in new California homes.

Please return your completed survey in the envelope provided.

If you have any questions about the survey, please contact: [LBNL contact provided]