



Update and How to Prepare for Summer Smoke

Community Meeting



RF Event - May 11, 2021. PrepareForSummerSmokeFinal.key

Agenda

- Welcome - Steve Morris
- Updates
 - Red Emergency Binders - Karen Morris
 - Ready Force initiatives - Mary Eusterman
 - Skills/Equipment Survey - Carolyn Bailey
- Preparing for Summer Smoke - Steve Morris
- Neighborhood meetings - Louise Williams
- Questions?

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Red Binder Update

Red Binder Update

Karen

- 260 Binders purchased for 221 apartments
 - 209 binders prepared (includes 7 future residents)
 - 5 for staff
 - 10 residents declined or no response
 - 2 vacancies
 - 34 ready to customize



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Red Binder Next Steps

- Forms being updated/created + workshops
 - Contact info
 - Medical information
 - Prescription info
 - Important documents
- Under Neighborhood tab:
 - Neighbor Skills/Supplies/Equipment/Needs info
 - (...more on that in a few minutes!)

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Initiatives

Ready Force Initiatives

Mary

- Neighborhood First Aid/Supplies Caches
- Collect cell phone numbers
- Radios for all Ready Force team members
- Lock-boxes for access to facility keys
- Smoke Emergency Preparation
- Ready Force budget
- Skills/Supplies/Equipment/Needs survey (next topic!)

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Survey

Skills/Equipment/Supplies/Needs Survey

Carolyn

- In an emergency it's helpful to know your neighbors!
 - Skills
 - Supplies
 - Equipment/Tools
 - Mobility issues
 - Pets

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Skills/Equipment/Supplies Survey

- Please complete once for each household
- 2 people? There are “Skills” lists for both of you
- The survey should only take 5 minutes!

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Skills/Supplies/Equipment/Needs survey

Help your neighbors get to know you so we can all better help each other in an emergency or disaster situation. Of course, you only need to share information you are comfortable sharing.

Fields marked with an * are required

Apartment number *

Email

Mobile phone(s) (so neighbors can contact you in an emergency)

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Equipment: Is there special equipment that you or your partner need that might be a challenge in a power outage or evacuation? (e.g., CPAP, oxygen, electric wheel chair, etc.)

What pets do you have? Do you have a carrier for each pet?

Do you or your partner have hearing or sight challenges you'd like neighbors to know about in an emergency or disaster?

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Mobility/Equipment/Pets summary

- I/we do have mobility needs (wheelchair/walker/etc.)
- Pets - cat(s)
- Pets - dog(s)
- Pets - other
- Special equipment (CPAP, etc)
- Vision challenges
- Hearing challenges
- I/we need special equipment (e.g., CPAP)

Your Name *

What skills do you have that neighbors should know about in an emergency?

- 1st Aid training
- Medical training (EMT, nurse, doctor, etc)
- Search & Rescue training (e.g., CERT)
- Crisis counseling
- Fire fighter training
- Good at fixing things
- Ham radio license
- Good organizer
- Experience cooking on a camp stove

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Your Partner's Name (if there are 2 of you in the household)

Your partner's skills that neighbors should know about in an emergency?

- 1st Aid training
- Medical training (EMT, nurse, doctor, etc)
- Search & Rescue training (e.g., CERT)
- Crisis counseling
- Fire fighter training
- Good at fixing things
- Ham radio license
- Good organizer
- Experience cooking on a camp stove



What emergency-prep tools and equipment do you have?

- Propane BBQ grill
- Camp stove
- Solar panels
- Power station (e.g., Jackery)
- Ham radio(s)
- FRS/GMRS radios
- CB radios
- Axe
- Crow bar
- Bicycle
- 2-Bucket toilet
- Water purifier/filter capable of removing bacteria
- Water purifier/filter capable of removing viruses
- HEPA filter to remove smoke from your apartment



What emergency-prep supplies do you have?

- First aid supplies
- 3 days of emergency water
- 1 week of emergency water
- 2 or more weeks of emergency water
- 3 days of emergency food
- 1 of emergency food
- 2 or more weeks of emergency food
- N95 masks



What other emergency preparation have you done?

What else should neighbors know about you in an emergency or disaster situation?



Skills/Equipment/Supplies Survey

- Please complete the survey at rvillagers.org/dev2/skills
- You'll receive an email with a link to the survey
- Let us know if you'd prefer to complete a paper copy of the survey (call x1212)

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Smoke

Steve

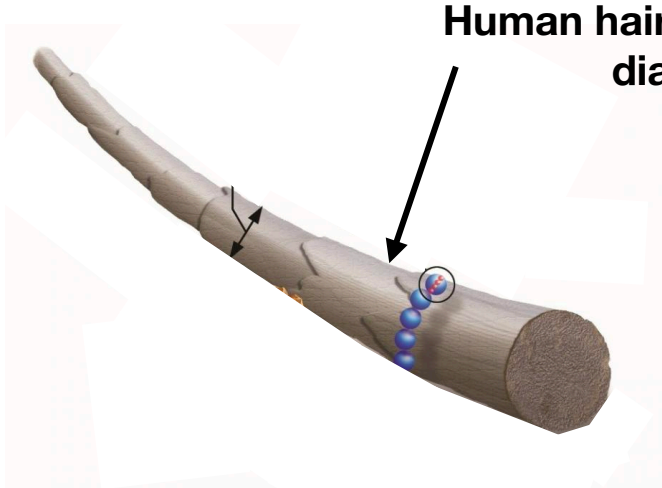
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Wildfire Particle Size

Source: <https://www.epa.gov/wildfire-smoke-course/why-wildfire-smoke-health-concern>



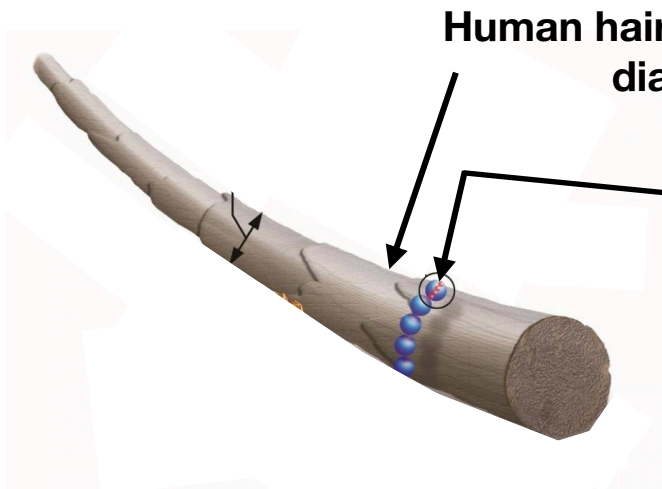
Human hair: 70 microns in diameter

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Wildfire Particle Size

Source: <https://www.epa.gov/wildfire-smoke-course/why-wildfire-smoke-health-concern>



Human hair: 70 microns in diameter

Smallest smoke particles: .4 to .7 microns

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Wildfire Smoke Tactics

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Wildfire Smoke Tactics



1. If you can - get a MERV 16 whole-house air filter

For units that have Forced Air heating/cooling

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MERV Ratings (Forced Air units)

MERV Rating	Air Filter will trap Air Partiles size .3 to 1.0 microns	Air Filter will trap Air Particles size 1.0 to 3.0 microns
MERV10		
MERV 11		
MERV 12		
MERV 13		
MERV 14		
MERV 15		
MERV 16		

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MERV 11		
MERV 12		
MERV 13		
MERV 14		
MERV 15		
MERV 16		

The most dangerous wildfire smoke particles fit into this category

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MERV Ratings (Forced Air units)

MERV Rating	Air Filter will trap Air Partiles size .3 to 1.0 microns	Air Filter will trap Air Particles size 1.0 to 3.0 microns
MERV10	< 20%	50% to 64%
MERV 11		
MERV 12		
MERV 13		
MERV 14		
MERV 15		
MERV 16		

The most dangerous wildfire smoke particles fit into this category

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MERV Ratings (Forced Air units)

MERV Rating	Air Filter will trap Air Partiles size .3 to 1.0 microns	Air Filter will trap Air Particles size 1.0 to 3.0 microns
MERV10	< 20%	50% to 64%
MERV 11	< 20%	65% - 79%
MERV 12		
MERV 13		
MERV 14		
MERV 15		
MERV 16		

The most dangerous wildfire smoke particles fit into this category

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MERV Ratings (Forced Air units)

MERV Rating	Air Filter will trap Air Partiles size .3 to 1.0 microns	Air Filter will trap Air Particles size 1.0 to 3.0 microns
MERV10	< 20%	50% to 64%
MERV 11	< 20%	65% - 79%
MERV 12	< 20%	80% - 90%
MERV 13	Less than 75%	90% or Better
MERV 14		
MERV 15		
MERV 16		

The most dangerous wildfire smoke particles fit into this category

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MERV Ratings (Forced Air units)

MERV Rating	Air Filter will trap Air Partiles size .3 to 1.0 microns	Air Filter will trap Air Particles size 1.0 to 3.0 microns
MERV10	< 20%	50% to 64%
MERV 11	< 20%	65% - 79%
MERV 12	< 20%	80% - 90%
MERV 13	Less than 75%	90% or Better
MERV 14	75% - 84%	90% or Better
MERV 15	85% - 94%	95% or Better
MERV 16	95% or Better	95% or Better

The most dangerous wildfire smoke particles fit into this category

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Forced Air Systems

NEIGHBORHOOD/TYPE OF HVAC SYSTEM	STD. FILTER	OPT. FILTER
North Main/South Main VRF	MERV 10	
Classic Cottage- Elect baseboard heat/window AC	NONE	
Classic Cottage- Ductless Mini Split Heat Pump	Washable screen	
Classic Cottage- Forced Air Heat Pump	MERV 10	
Garden Grove -Forced Air Heat Pump	MERV 10	MERV 16
North Pocket- Forced Air Heat Pump	MERV 10	MERV 16
Redev (Ph 1) Cottages-Forced Air Heat Pump	MERV 10	
CAB- Forced Air Heat Pump	MERV 10	MERV 16
Rose Court-Forced Air Heat Pump	MERV 10	
Rose Court-Ductless Mini Split Heat Pump	Washable screen	
Oaks- HRV system mini Split/Zehnder	MERV 8/13	

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Forced Air Systems

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Garden Grove -Forced Air Heat Pump	MERV 10	MERV 16
North Pocket- Forced Air Heat Pump	MERV 10	MERV 16
Redev (Ph 1) Cottages-Forced Air Heat Pump	MERV 10	
CAB- Forced Air Heat Pump	MERV 10	MERV 16
Rose Court-Forced Air Heat Pump	MERV 10	
Rose Court-Ductless Mini Split Heat Pump	Washable screen	
Oaks- HRV system mini Split/Zehnder	MERV 8/13	

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- **Garden Grove**
- **North Pocket**
- **CAB**

Suggestion: Order 1 or 2 MERV 16 filters NOW!
Ask Maintenance what filter size

Suggested filter sources:

discountfurnacefilter.com
or Amazon.com

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Wildfire Smoke Tactics



1. If you can - get a MERV 16 whole-house are filter
2. Seal your house as well as you can

Tactic 2: Seal your House

- Keep doors & windows closed!
- Consider clear-plastic window seal (or blue masking tape)
- Turn off forced-air HVAC (it does pull in some outside air)

HVAC - Which to Turn Off

NEIGHBORHOOD/TYPE OF HVAC SYSTEM	STD. FILTER	OPT. FILTER	WHEN OUTSIDE AIR QUALITY IS POOR
North Main/South Main VRF	MERV 10		● TURN UNIT OFF
Classic Cottage- Elect baseboard heat/window AC	NONE		● CAN LEAVE UNIT ON
Classic Cottage- Ductless Mini Split Heat Pump	Washable screen		● CAN LEAVE UNIT ON
Classic Cottage- Forced Air Heat Pump	MERV 10		● TURN UNIT OFF
Garden Grove -Forced Air Heat Pump	MERV 10	MERV 16	● TURN UNIT OFF unless MERV 16
North Pocket- Forced Air Heat Pump	MERV 10	MERV 16	● TURN UNIT OFF unless MERV 16
Redev (Ph 1) Cottages-Forced Air Heat Pump	MERV 10		● TURN UNIT OFF
CAB- Forced Air Heat Pump	MERV 10	MERV 16	● TURN UNIT OFF unless MERV 16
Rose Court-Forced Air Heat Pump	MERV 10		● TURN UNIT OFF
Rose Court-Ductless Mini Split Heat Pump	Washable screen		● CAN LEAVE UNIT ON
Oaks- HRV system mini Split/Zehnder	MERV 8/13		● TURN UNIT OFF

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HVAC if using portable purifier

Mini Split Heat Pumps OK to leave on

NEIGHBORHOOD/TYPE OF HVAC SYSTEM	STD. FILTER	OPT. FILTER	WHEN OUTSIDE AIR QUALITY IS POOR
North Main/South Main VRF	MERV 10		● TURN UNIT OFF
Classic Cottage- Elect baseboard heat/window AC	NONE		● CAN LEAVE UNIT ON
Classic Cottage- Ductless Mini Split Heat Pump	Washable screen		● CAN LEAVE UNIT ON
Classic Cottage- Forced Air Heat Pump	MERV 10		● TURN UNIT OFF
Garden Grove -Forced Air Heat Pump	MERV 10	MERV 16	● TURN UNIT OFF unless MERV 16
North Pocket- Forced Air Heat Pump	MERV 10	MERV 16	● TURN UNIT OFF unless MERV 16
Redev (Ph 1) Cottages-Forced Air Heat Pump	MERV 10		● TURN UNIT OFF
CAB- Forced Air Heat Pump	MERV 10	MERV 16	● TURN UNIT OFF unless MERV 16
Rose Court-Forced Air Heat Pump	MERV 10		● TURN UNIT OFF
Rose Court-Ductless Mini Split Heat Pump	Washable screen		● CAN LEAVE UNIT ON
Oaks- HRV system mini Split/Zehnder	MERV 8/13		● TURN UNIT OFF

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Mini Split Heat Pump



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Wildfire Smoke Tactics

1. If you can - get a MERV 16 whole-house are filter
2. Seal your house as well as you can
-  3. Use portable air purifiers

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Tactic 3: Use Portable Air Purifiers

- Look for a HEPA rating

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Purifier options (Consumer Reports)

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Purifier options (Consumer Reports)

For a Large Area (under \$300)

 **RECOMMENDED** PORTABLE AIR PURIFIERS

Blueair Blue Pure 211+
Price **\$300.00** [Shop](#)

OVERALL SCORE **85**


DUST, POLLEN, SMOKE REMOVAL (LOW)		5 / 5
DUST, POLLEN, SMOKE REMOVAL (HIGH)		5 / 5
NOISE (LOW SPEED)		3 / 5
NOISE (HIGH SPEED)		2 / 5

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Purifier options (Consumer Reports)

For a Large Area (under \$300)

 **RECOMMENDED** PORTABLE AIR PURIFIERS

Blueair Blue Pure 211+
Price **\$300.00** [Shop](#)

OVERALL SCORE **85**

DUST, POLLEN, SMOKE REMOVAL (LOW)		5 / 5
DUST, POLLEN, SMOKE REMOVAL (HIGH)		5 / 5
NOISE (LOW SPEED)		3 / 5
NOISE (HIGH SPEED)		2 / 5

Budget solution (for a bedroom) \$90

 PORTABLE AIR PURIFIERS

Febreze FHT190W
Price **\$90.00** [Shop](#)

OVERALL SCORE **51**

DUST, POLLEN, SMOKE REMOVAL (LOW)		3 / 5
DUST, POLLEN, SMOKE REMOVAL (HIGH)		4 / 5
NOISE (LOW SPEED)		3 / 5
NOISE (HIGH SPEED)		3 / 5

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Wildfire Smoke Tactics

1. If you can - get a MERV 16 whole-house are filter
2. Seal your house as well as you can
3. Use portable air purifiers
4. Consider setting up a “clean room”



Tactic 4: Set up a Clean Room

- Put a portable air purifier in that room
- TURN OFF FORCED AIR system (or seal vents in your clean room)
- Keep doors and windows closed.
- Seal windows with blue masking tape and/or plastic if you are concerned there are air leaks
- Stay in your clean room as much as you can

Wildfire Smoke Tactics

1. If you can - get a MERV 16 whole-house are filter
2. Seal your house as well as you can
3. Use portable air purifiers
4. Consider setting up a “clean room”



5. Get N95 masks

Tactic 5: Get N95 Masks

- N95 removes 95 percent of particles larger than 0.3 microns
- ... if properly fitted
- Yes, it is effective for smoke

Wildfire Smoke Tactics

1. If you can - get a MERV 16 whole-house are filter
2. Seal your house as well as you can
3. Use portable air purifiers
4. Consider setting up a “clean room”
5. Get N95 masks
6. Be ready for a power outage or brown-out



Tactic 6: Be Ready to Lose Power

- CPAP? Or a cell phone to charge? Consider getting a “Power Station” (e.g., Jackery)
- Be sure you have one or more flashlights and spare batteries

Power Stations

- Basically a battery that provides USB and 120 volt power
- Keep it plugged in so it's charge & ready
- A 500 Watt-Hour unit should run a CPAP for at least 3-4 nights (probably more)

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Power Stations

Jackery 500 (500 Wh)
For cell phone and CPAP
\$499



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Power Stations



Jackery 240 (240 Wh)
For cell phone charging
\$199



Jackery 500 (500 Wh)
For cell phone and CPAP
\$499



Jackery 1000 (1000 Wh)
For phone/CPAP/Refrigerator
\$999



Eco Flo Delta (1300 Wh)
For phone/CPAP/Refrigerator
\$1,200



Goal Zero Yeti 400 (400Wh)
For cell phone and CPAP
\$449

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Wildfire Smoke Tactics

1. If you can - get a MERV 16 whole-house air filter
2. Seal your house as well as you can
3. Use portable air purifiers
4. Consider setting up a “clean room”
5. Get N95 masks
6. Be ready for a power outage or brown-out
- ➡ 7. Just in case - get organized for evacuation

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Tactic 7: Be Organized for Evacuation

- Prepare a go-bag (checklist in your Red Binder!)
- Contact info and prescription info
- Important papers
- Pet owners:
 - Pet carrier
 - Research local pet-friendly hotels

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Wildfire Smoke Tactics

1. If you can - get a MERV 16 whole-house are filter
2. Seal your house as well as you can
3. Use portable air purifiers
4. Consider setting up a “clean room”
5. Get N95 masks
6. Be ready for a power outage or brown-out
7. Just in case - get organized for evacuation

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Suggested To-do list Before Smoke Arrives!

1. MERV 16 filter
2. Get blue masking tape and/or plastic window sealing kits
3. HEPA portable air purifier
4. N95 masks
5. Consider a Power Station
6. Prepare a go-bag!

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Neighborhood Meetings

Louise

Neighborhood Meetings

1. Starting May 25!
2. Get to know your neighbors' emergency prep!
3. Review the Skills/Supplies/Equipment survey
4. Discuss neighborhood preparation for smoke
5. Flyers will be out soon!

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Neighborhood Meetings

When: Tuesdays, 1:30pm-2:30pm

May 25, North Pocket, Northeast
June 1, Southwest, CAB, Garden Grove
June 8, Central
June 15, Southeast, Rose Court, The Oaks
June 22, Northwest
June 29, North Main & South Main
July 6, South Central

Neighborhoods are shown on the Wayfinding Map - back cover of your Red Binder!

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**Update
and
How to Prepare for
Summer Smoke**



Questions?

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