



Changing Ourselves, Changing the World

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District UMW

Oct 31, 2020



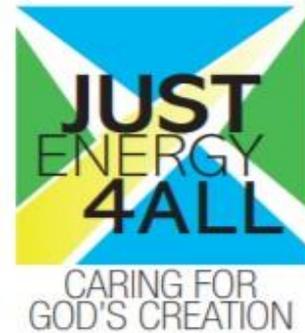
Please sign in on chat (at the bottom of your screen) with your name and church, then answer the following question...

**“How does the Climate Crisis make you feel?”
(in one or two words)**



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Goals for Workshop

- To discover what Scripture says about taking care of our world
- To educate about Climate issues
 - To discuss ways that we can protect God's world



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Sisterhood of Grace

Listen in love and with respect;

Hear each voice with compassion;

Be patient, respectful and kind with one another;

Respect each person's experience, skill and talent;

Every person has a gift to offer;

Speak from your own perspective and experience;

**Questions are needed and expected and will be
addressed as able;**

Speak into the space with gentleness;

Respect confidentiality;

Speaking out is courageous;

Silence is appropriate at times.

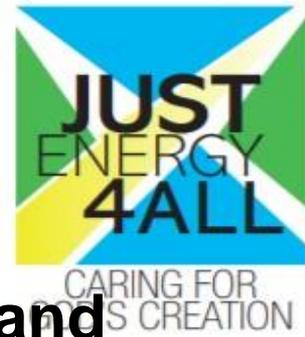
(From National UMW)



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Prayer



“God writes the Gospel, not in the Bible alone, but also on trees, and in the flowers and clouds and stars.” Martin Luther (1483-1546)

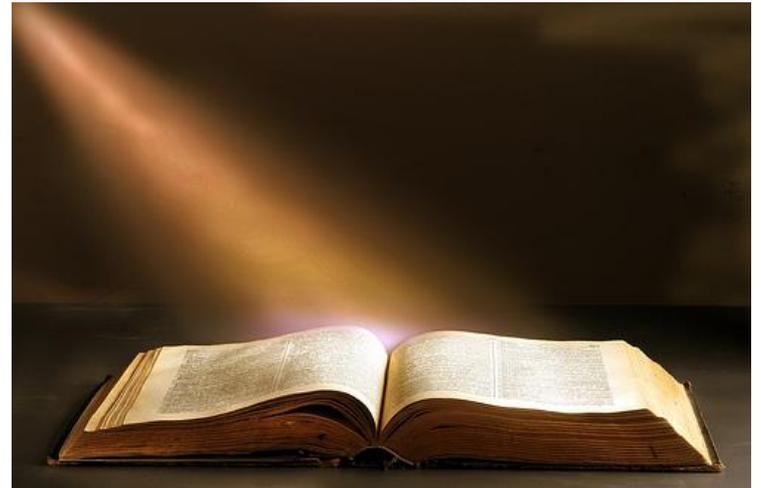
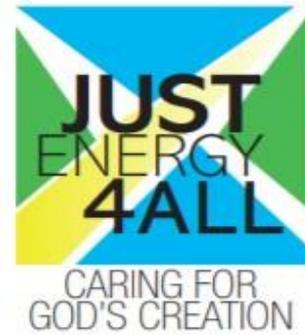
We give you thanks, most gracious God, for the beauty of the earth and sky and sea; for the richness of mountains, plains, and rivers; for the songs of birds and the loveliness of flowers.

We praise you for these good gifts and pray that we may safeguard them for our posterity.

Grant that we may continue to grow in our grateful enjoyment of your abundant creation, to the honor and glory of your name, now and forever. Amen

The Book of Common Prayer (1549)

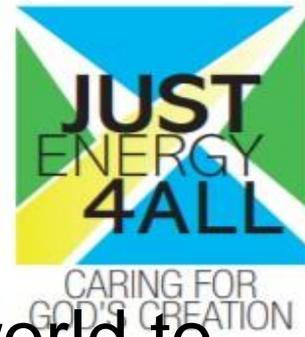
What does the bible tell us about our relationship with our planet?



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Scripture



John 3:16 - For God so loved the world...

3:17 – For God did not send his son into the world to condemn the world but to save the world.

Genesis 2:15 – The Lord God put man in the garden of Eden to work it and keep it.

Psalms 24:1-2 - The earth is the Lord's and all that is in it, the world, and those who live in it; for he has founded it on the seas, and established it on the rivers.

Genesis 26:



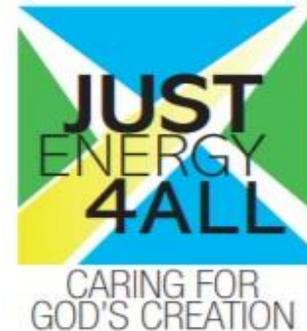
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Genesis

26 Then God said, "Let us make mankind in our image, in our likeness, so that they may rule over the fish in the sea and the birds in the sky, over the livestock and all the wild animals,^a and over all the creatures that move along the ground."

27 So God created mankind in his own image in the image of God he created them, male and female.



Why is Climate Justice Important?

Video from 2018 UMW Assembly

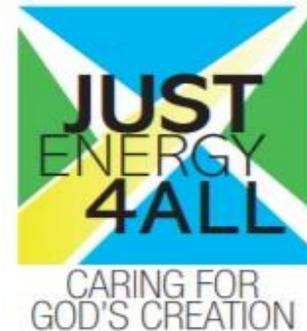
Dr. Katharine Hayhoe
Atmospheric Scientist
Texas Tech University



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Just Energy 4All



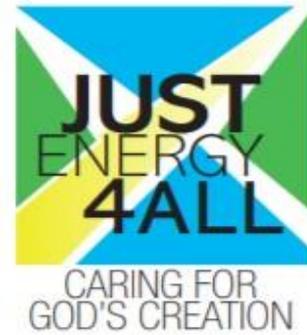
- One of two current top priorities of United Methodist Women
- Campaign to transition USA from fossil fuel to renewable energy
- Ensure transition happens in a just way.



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Poll



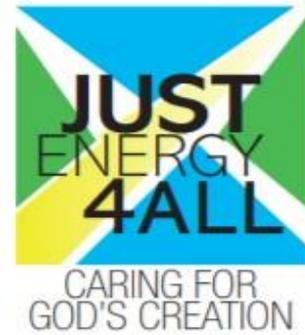
What climate related changes have you made?

1. LED Light bulbs
2. Programmable thermostats
3. Less plastic
4. Reusable water/ coffee containers



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Causes of Climate Change

- **Greenhouse gases /CO₂ & Methane emissions**
 - Motor vehicles, trucks, ships
 - Fossil fuel power plants
 - Heavy industry - Big Agriculture
- **Destruction of forests**
 - Increased population
 - Wildfires and clearing forests for industry/ farms

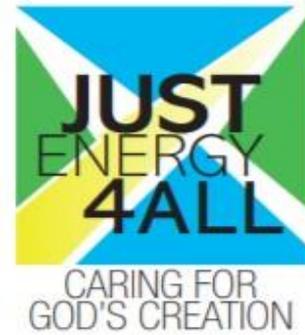


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Effects of Climate Change

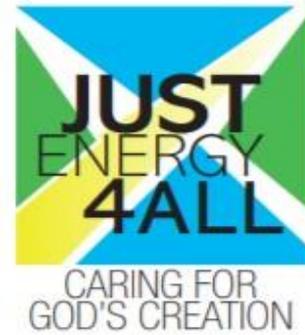
- Sea level rise
- Wildfires
- Global warming
- Extreme temperatures
- Migration
- Water shortages/ crop failures
- Increase in respiratory disease



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IPCC 1.5C Report



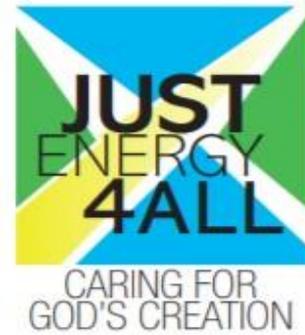
Urgent and Radical Action Needed to Limit Temperature Increase to 1.5°C

- Cut CO₂ emissions 45% by 2030 from 2010 levels and net neutral by 2050
- Phase-out of Fossil Fuels
- Faster Electrification
- Lower energy demand
- Change in consumption and diet
- Protect and restore ecosystems



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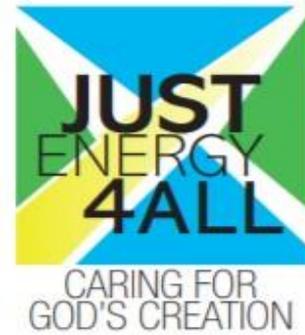
What's the big deal about a degree or two temperature rise?

*(video excerpt of "Global Weirding"
YouTube series by Dr. Katharine Hayhoe)*



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Questions?

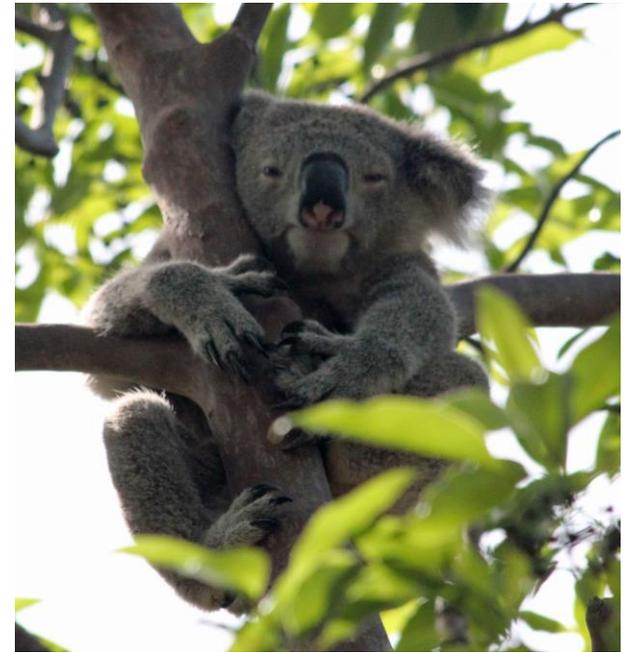
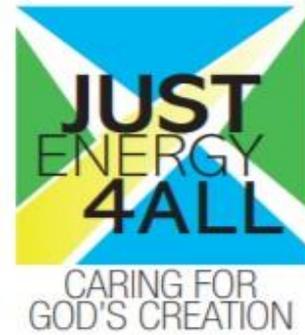


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Role of Climate Change

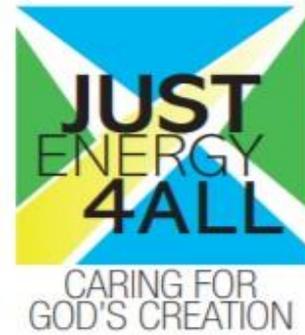
- Climate change doesn't CAUSE disasters (such as wildfires, excessive heat, drought)
- Climate change is a “Threat Multiplier”, making extreme weather worse



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Extreme Weather - CA



- Bay Area average temperatures now 2°F hotter compared with 1901-1960
- Days of extreme heat (above 90°F) are projected to increase by another 10-30 days in 2036-2050 as compared to 1976-2005

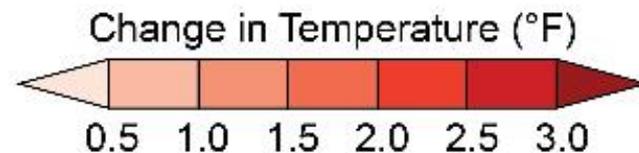
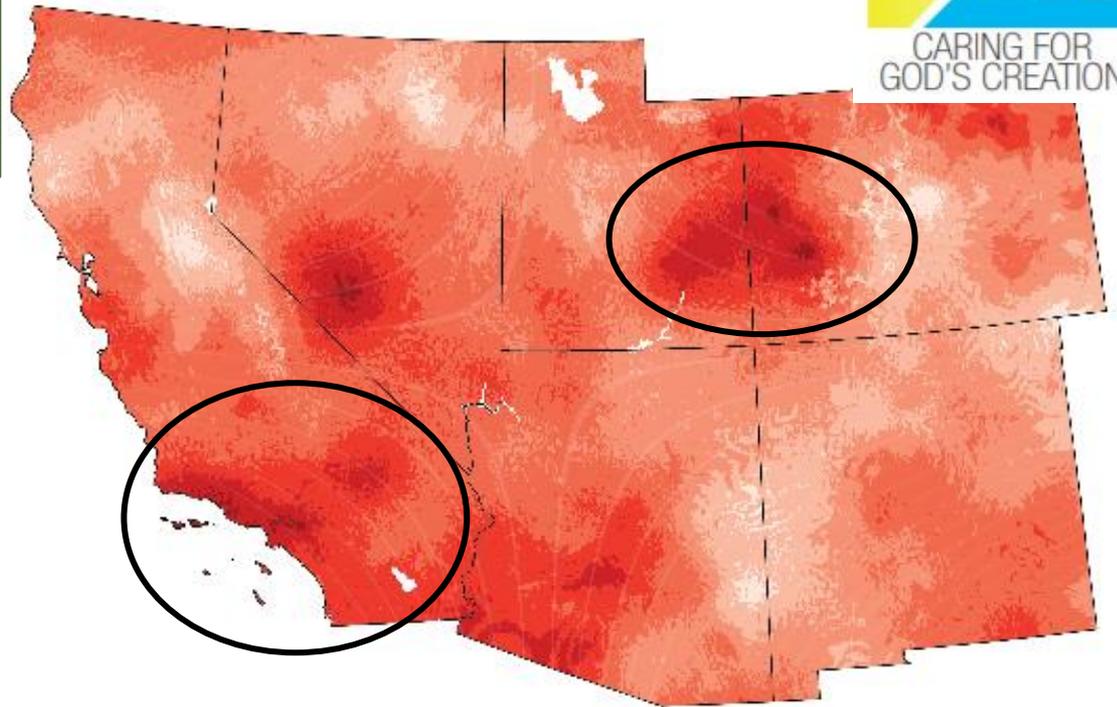


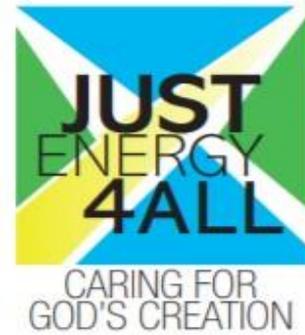
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Temperature Has Increased Across the Southwest

Temperatures increased across the Southwest region from 1901 to 2016, with the greatest increases in Southern California and Western Colorado.²³ This map shows the difference between 1986–2016 average temperature and 1901–1960 average temperature.²³





Water Shortages - CA

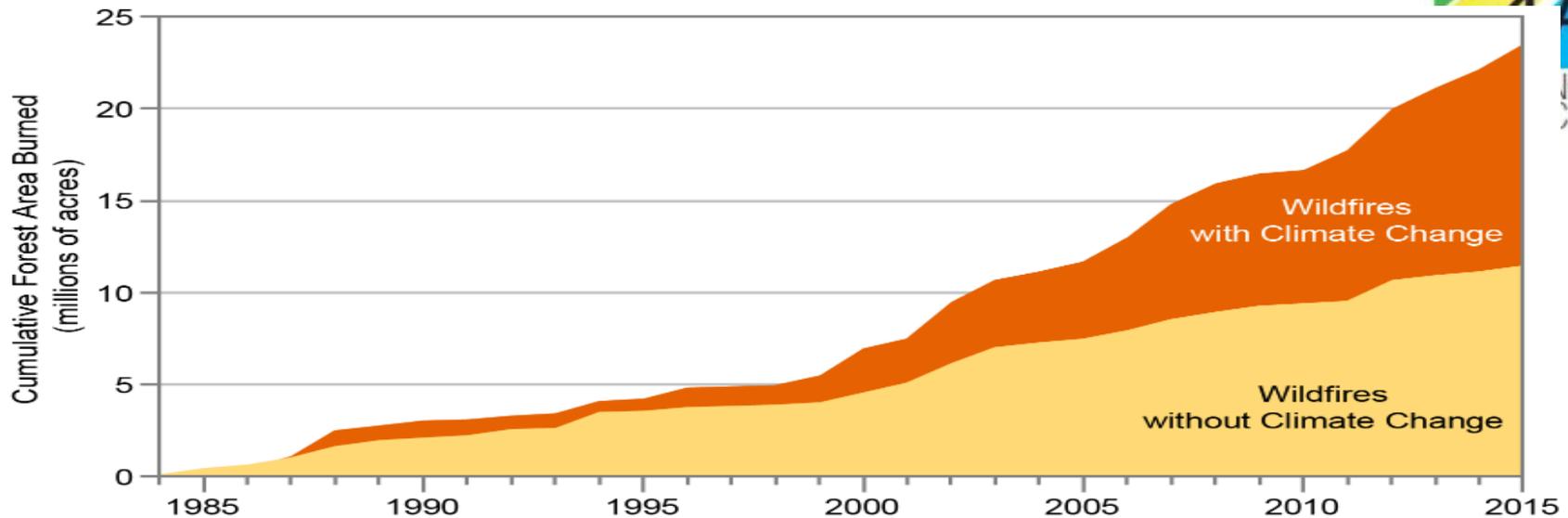
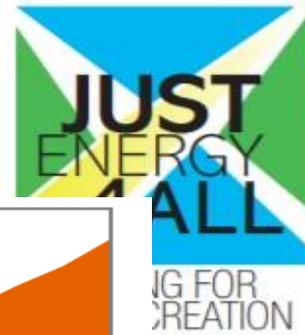
- Increased drought in the Southwest due to higher average temperatures
 - Water levels in the Colorado River and Lake Mead have decreased 50% due to higher temperatures and more consumption.
- Lower water flow and higher water temperature lead to less hydroelectric power generation leading to possible shortages



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Climate Change Has Increased Wildfires



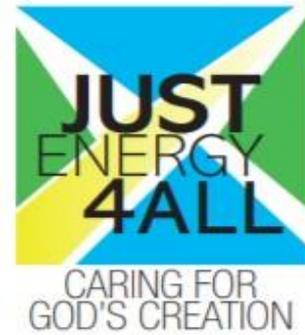
The cumulative forest area burned by wildfires has greatly increased between 1984 and 2015. Area burned by wildfire across the western United States over that period was twice what would have burned had climate change not occurred.



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Sea Level Rise – SF Bay

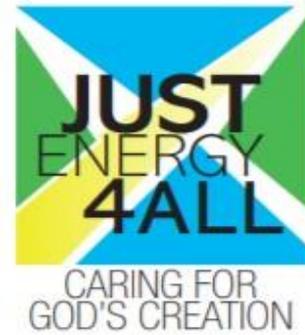


- SF Bay has risen 9” between 1854 & 2018
- SF Bay is projected to rise another 9-12” by 2050



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- NBC report “Unlike any disaster we have ever seen” says State Agency about rising seas in Bay Area”

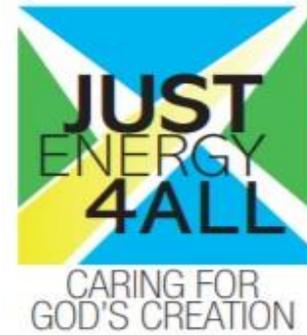
Aired Feb 20, 2020



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Break out group- Climate justice thoughts

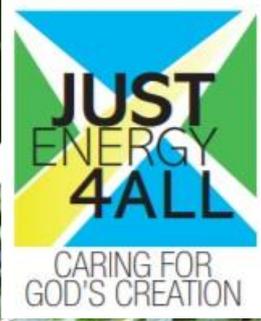


1. What habits do you need to change to improve the health of our planet?
2. What have you learned so far today that surprised you?



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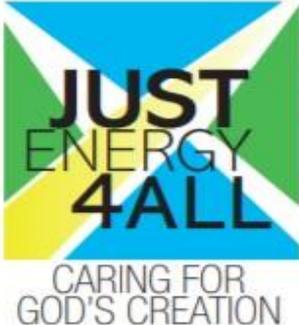
So What Do We Do?



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Change the Source of Energy from Fossil Fuel to Renewable Energy



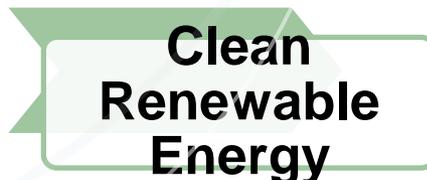
DOES NOT

- Destroy God's Creation
- Destroy our Health
- Benefit Few

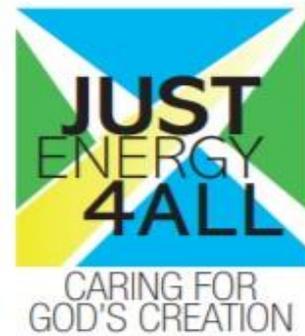
DOES

- Protects God's Creation
- Protects our Health
- Benefits Many
- Protects the Future

Change energy source



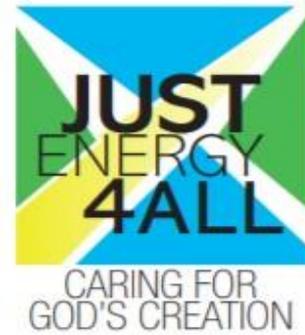
**Just &
Equitable
Transition**



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Being Mindful:

Thinking before you buy

Do I really need this?

Where was this made?

Who made it? How is it packaged?

Is it recyclable or compostable?

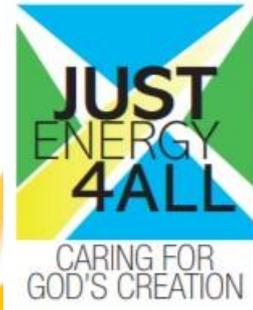
Can I buy a non-toxic similar item?



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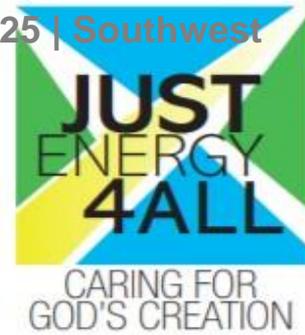
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Is Progress Being Made?

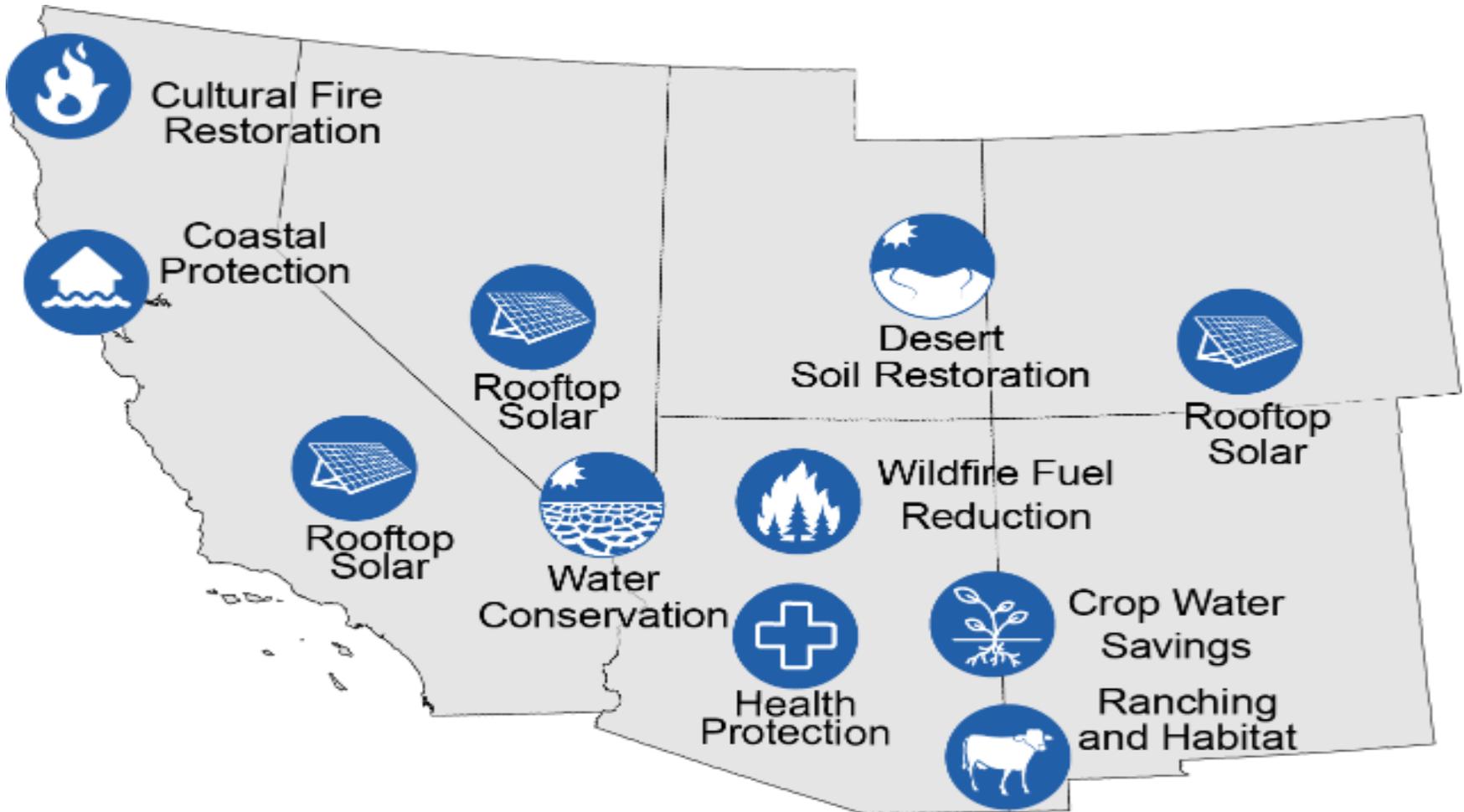


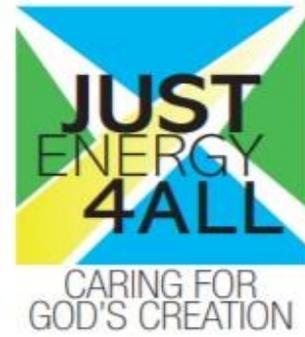
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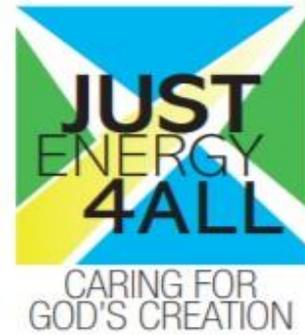
Actions Responding to Climate Change Impacts and Vulnerabilities In West





Cultural fire restoration: Reintroduction of cultural burning by the Yurok Tribe in northern California reduces wildfire risks and protects public and tribal trust resources.

Wildfire fuel reduction:

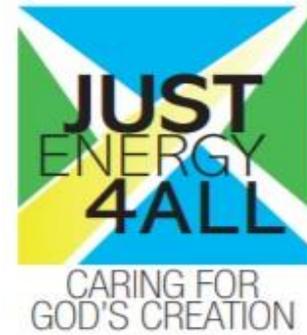


The Arizona Dept. of Forestry & Fire Management awarded \$1.1 Million to clear 750 acres of hazardous vegetation to reduce wildfire risk.



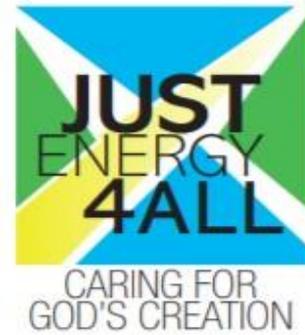
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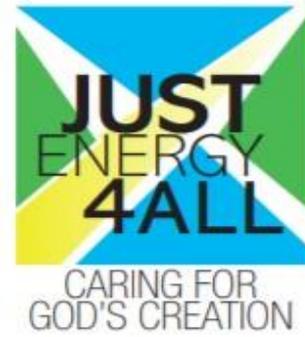


- **Coastal protection:** San Francisco Bay, federal, state, and local agencies, supported by voter-approved funds, are restoring coastal habitats and levees to protect cities from flooding.

Water conservation:



Drought in the Colorado River Basin has reduced the volume of water in both Lake Mead and Lake Powell by over half. Cooperative efforts by the United States, Mexico, and state governments have mobilized users to conserve water, keeping the lake above a critical level



Rooftop solar:

California, Colorado, and Nevada support rooftop solar on homes

- reduces greenhouse gas emissions,
- improves reliability of the electricity generation system
- creates local small businesses and new jobs



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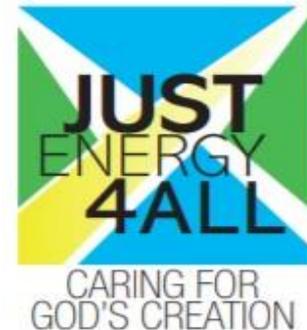
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FOR OUR RESIDENTIAL CUSTOMERS

- **Cleaner Energy**- more renewable power from solar and wind at prices that are 1% below PG&E
- **Reliable Service** – SJCE buys cleaner electricity for you and PG&E delivers it over their utility lines. They maintain them.
- **Community Benefits** – As a not-for-profit gov't agency, revenues will fund clean energy projects that create jobs, save money and boost local economy.

New State/Local Policies



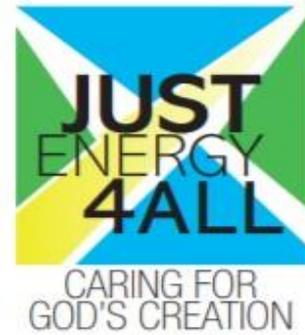
- Phase-out of sale of gasoline-powered vehicles by 2035
- Preserve 30% of California's Natural and Working Lands and coastal waters by 2030
- Local All-Electric New Home Construction
 - Over 35 cities in CA, including San Jose, Los Gatos, Saratoga, E. Palo Alto, Palo Alto



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Actions We Can All Take to Help the Planet



1. Electric power conservation

Convert to renewable energy option from local power company or install solar panels

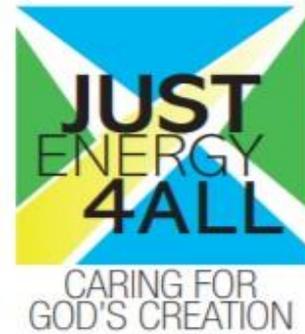
-Conserve using LED bulbs, energy efficient appliances, cold water washing, limit air conditioning



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Further Actions to Help the Planet



2. Decrease carbon footprint

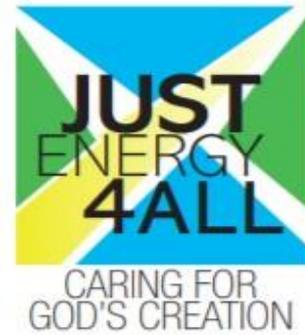
- Calculate personal carbon footprint
(unitedmethodistwomen.org or Climate Smart Challenge—San Jose)
- Drive less. Combine errands to one trip.
- Switch to hybrid or all-electric vehicle.



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Actions to Help the Planet



3. Advocate with Government Officials

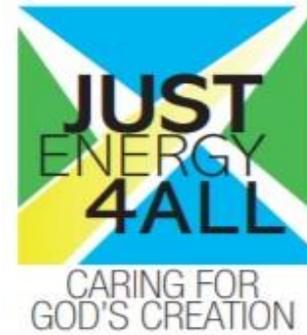
- Write, call or email officials at the Federal, State and Local levels for urgent action on climate change
- Advocate for consideration of sea level rise when approving new construction of buildings or roads
- Encourage Federal officials to work with other countries to enact global strategies to slow climate change.
- Vote for Officials that prioritize action on Climate Change



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Actions to Help the Planet



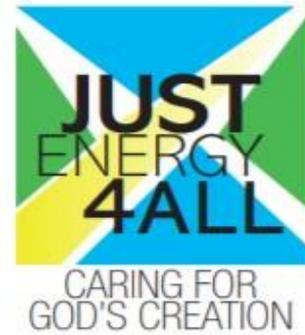
4. Reduce consumption of plastics

- Plastics manufacturers produce 360 million tons of plastic annually and consume 8% of the world's fossil fuels as raw material and energy
- Most plastics end up in landfills or the oceans and leach dangerous chemicals and metals into groundwater
- Recycle what you can, buy products in biodegradable packaging, and reduce use of single use plastics



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What ONE action will YOU commit to doing to help the planet?

Put your answer in the chat



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I pledge to be a Faith Climate Voter

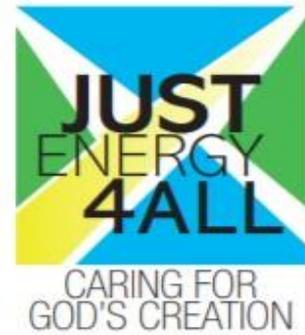
**JUST
ENERGY
4ALL**

CARING FOR
GOD'S CREATION



**Interfaith
Power & Light**

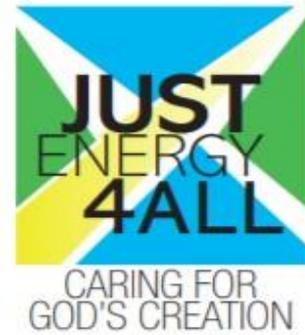
A prayer for this election year:



- Creator of Life, you called us to be caretakers of creation. We repent for harming our children's health and being complicit in the climate crisis by polluting the earth through our energy use. We are grateful that cleaner energy exists that can reduce harm. Shake us out of apathy. Grant us, our faith communities, and our elected officials, vision and boldness to change our behaviors and adopt policies that will advance climate justice and just energy for all. In the name of our healer Jesus Christ.

Amen.

Resources



- Climate Smart San Jose sanjoseca.gov/your-government/environment/climate-smart-san-jos
- Just Energy For All (UMW) www.unitedmethodistwomen.org/just-energy-for-all
- Earthjustice earthjustice.org
- Environmental Defense Fund edf.org
- Blessed Earth <http://www.blessedearth.org/>
- Sojourners – Faith in action for social justice <https://sojo.net/>



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Thank You!!



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