

THE CLIMATE CRISIS

What's Happening & Why		How Bad How Fast		What Can Be Done	
Indicators	Causes	Uncertainties	Consequences	Ways to Mitigate	Resisting Forces
<p>Severe Weather Events <i>Quadrupled since 1980; doubled since 2004</i></p> <p>Rising Temperatures <i>Last 18 years hottest on record</i></p> <p>Warming of Oceans <i>Heating 40% faster than estimated 5 years ago</i></p> <p>Melting of Ice Caps <i>Alaskan glaciers melting 100 times faster than previously thought</i></p> <p>Rising of Oceans <i>Risen 8-9 inches since 1880; 1/3 of rise in past 25 years</i></p> <p>Loss of Bio-diversity <i>Losing 150-200 species per day</i></p>	<p>Burning of Fossil Fuels (coal, oil, gas) which releases CO2</p> <p>Industrial agriculture that increases emissions & degrade the soil</p> <p>Worldwide loss of forests & wetlands that absorb CO2</p> <p>Feedback loops that accelerate warning</p> <p>Loss of ice caps leaving more dark ocean to absorb the heat</p> <p>Melting of permafrost that releases methane</p> <p>Rapidly growing world population with ever growing desire for the comforts of modern-day life</p>	<p>Multiple warming factors are accelerating exponentially</p> <p>Release of methane from the permafrost could be catastrophic & abrupt.</p> <p>Tipping points could lead to large changes in a climate system</p> <p>An ice-free Arctic summer could be a trigger for an even greater acceleration.</p> <p>17% of Amazon rainforest already lost; tipping point is 20-25%.</p> <p>The Paris Accord is inadequate and is</p>	<p>Severe Water Shortages</p> <p>Massive Crop Failures Worldwide</p> <p>Unlivable Temperatures</p> <p>Unprecedented Fires & Floods</p> <p>Loss of island nations and low-lying cities.</p> <p>Destabilized oceans/depleted fishing grounds</p> <p>Mass Migrations, internal & external</p> <p>Widespread Disease</p> <p>Collapse of ecosystems</p> <p>Increased Conflicts/Wars</p>	<p>Rapid elimination of fossil fuels & conversion to green energy</p> <p>Massive restoration of forests & wetlands</p> <p>Rapid spreading of environmentally-friendly farming approaches for crops & animals</p> <p>Widespread adoption of green building standards & transportation systems</p> <p>Protection of major cities from flooding where possible</p> <p>Worldwide adoption of coordinated plan for absorbing large numbers of climate refugees</p>	<p>Support of corporations & governments that put money over people</p> <p>Capitalism in its current form depends on continual economic growth (GDP)</p> <p>Election of politicians afraid to "rock the boat" & beholden to corporate interests & lobbyists</p> <p>Mainstream media is lulling us into complacency, presenting everything on an equal level</p> <p>Increasing nationalism worldwide</p> <p>Belief that technology will save us</p> <p>Incremental, short-term thinking</p>

<p>Increasing Levels of Methane <i>Dramatic rise in past 4 years</i></p> <p>Melting of Permafrost <i>1/5 of frozen soils at high latitudes are thawing rapidly</i></p> <p>Increasing Levels of CO2 <i>Now at highest level ever recorded in history</i></p>	<p>Long-term ignoring of scientists' warnings</p>	<p>not being implemented fast enough</p> <p>Key numbers 1.5C – bad 2-3C – catastrophic 3-5C- possible extinction</p>	<p>Political Instability</p> <p>Social & Economic Collapse</p>	<p>Elimination of extreme poverty, especially in Global South</p> <p>Strengthening of local agricultural & water systems</p> <p>Widespread change in diet from meat-based to plant-based.</p>	<p>Huge financial investment required</p> <p>Feeling like nothing we can do will make a difference</p> <p>Addiction to our way of life</p> <p>Loss of our sense of inter-connectedness nature</p>
--	---	--	--	---	---