

This Changes Everything by Naomi Klein (2014)
(Rethinking Everything Ever Thought about Climate Change)

The Changing Climate Changes All Our Perceptions and Efforts (To Avert Horrifying Climate Changes in This Decade, All We Do Has to Change)														
Introduction	Part I Bad Timing					Part II: Appealing Answers Are Illusions (Magical Thinking)			Part III Start Anyway					Conclusion
	1	2	3	4	5	6	7	8	9	10	11	12	13	
1	31	64	96	120	161	191	230	256	293	337	367	388	419	449 466
	1 Revolutionary power of climate change realized by right – fighting against it 2 Trade beats climate 3 Public sector needs reinvention to serve the public 4 German demo shows possibility; saying 'no' to corporations 5 Confronting climate denial					6 Collusion of Big Businesses and Big Green Organizations 7 Personal Wealth 8 Geoengineering			9 Blockadia creating climate warriors 10 Love and winning w/water, divestment 11 Native Americans stance revealing moral and economic alternatives 12 Reinvesting in air and global debts 13 Regenerating through renewable energies					

Key Principles



Leave it in the ground: no new fossil fuel frontiers.

Chapters 9 and 10. Page 318: France 2011 fracking ban; page 348 Costa Rica new open-pit mining banned



Societies powered by 100 percent renewable energy.

Chapter 9, 317 New York State; Vancouver by 2030 announced April 13, 2015



Free public transit.

Chapters 2 and 3, pages 91, 104, 109



Polluters should pay; how we pay for the transition has to be justice-based.

Chapter 3, pages 110 - 119



Frontlines first: the people who got the worst deal in the old economy should be the first in line to benefit in the new economy.

Introduction					
Denial	Shock	Bad Timing	Power	Strategy	Shift Context
1 - 7	8 - 15	16 - 22	24-25	25-26	27-28
• 3 'cognitive dissonance' - jarring moment in history, when crisis is hitting us. Climate change denial: stay hazy on details, skim news; say science is too complicated/ environmentalists are dealing with it; look and then look away or turn it into a joke; tell comforting stories about how clever humans will come up with technological miracle; be hyper-rational ("dollar for dollar it's more efficient to focus on economic development than climate change); tell ourselves too busy to care about something so distant /abstract (my ex: even though we see the weather fluctuate 20-30 degrees on a regular basis instead of gradually) • 5 Bolivia's vision: Resources required to rapidly move away from fossil fuels could put huge swaths of humanity out of poverty, providing services now sorely lacking from clear water to electricity ... This is a vision in which we collectively use the crisis to leap somewhere that seems, frankly, better than where we are right now. • 5 Klein's vision: urgency of climate crisis could form powerful mass movement, weaving all disparate issues into coherent narrative protecting humanity from ravages of unjust economic system and destabilized climate system. "I wrote this book because I concluded climate action could provide rare catalyst..."	• 11 Preliminary data shows that in 2013, global carbon dioxide emissions were 61% higher than in 1990. • 12 Any credible source of hope will have to come from below • 13 World Bank reports "we're on track for a 4 degree Centigrade warmer world ... incompatible with a civilized global community" • 14 Many think moving to more than 4 degrees – a present danger to civilization	• 18 We are not stopping the fire. We are dousing it with gasoline. After a rare decline in 2009 due to the financial crisis, global emissions surged by a whopping 5.9 percent in 2010 – the largest absolute increase since the Industrial Revolution. • 21 What the climate needs to avoid collapse is a contraction in humanity's use of resources; what our economic model demands to avoid collapse is unfettered expansion. Only one of these sets of rules can be changed, and it's not the law of nature. • 22 Fetish of centrism: reasonableness, seriousness, splitting the difference, not get overly excited about anything • 23 Because of endless delays, we have to pull off a massive transformation without delay. The International Energy Agency warns that if we do not get our emissions under control by a rather terrifying 2017, our fossil fuel economy will lock-in extremely dangerous warming ... The door to reach two degrees is about to close. In 2017 it will be closed forever."	• 24-25 Stix: need to create social/political context in which tech shifts stand a chance of displacing all too profitable status quo ... radical solutions on social side are where we must focus ... power of ideological roadblocks ... problem has to do w/human power ... a shift away from corporations toward communities, challenging capitalism and materialism (extractivism) ... Climate call for new economic model/ new way of sharing the planet.	...Revolutionize economy & revamp worldview 26 strategy: think big, go deep from bottom up – shift cultural context – decide wins (e.g., basic income for all, new trade laws, recognize rights of indigenous, protect from pollution) Radical responses create hope.	... shift the cultural context ... away from economic need for constant growth and profit 28 What do with fear of living on dying planet:? 1. Accept it. 2. As survival response, we can act superhuman . Build some-thing better than dared hope! Changes everything – change ourselves, what we do, hope for, rethink our stories.

PART I: Bad Timing

Chapter 1: The Right is Right: The revolutionary power of climate change																																					
Scientists and Democrats agree Climate Change due to Human Actions						Unthinkable Truths						About that Money				Plan B: Get Rich Off a Warming World				Meaner Side of Denial		Coddling Conservatives						Battle of Worldviews									
31	32		34		36		38		40		42		44		46		48		50		52		54		56		58		60		62	63					
• 31 97% scientists agree human-caused climate change • 32 rt. Says plot to steal American freedom • 35 bipartisanship over – 75% Democrats say yes; Republicans say no • 37 defensive reasoning causes emotional intensity - threatened						• 41 Threatens faith in markets and cultural narratives • 42 Deniers alarmed at economic/ political implications • 43 Believe an elaborate hoax • Inconvenient truth: rt. is RT. About significance of issue: deep changes are required re energy consumption and profit-seeking economy. They are rt. About scope and depth of change required.						• 44 \$900M for rt. Causes • 45 Scientists at Heartland Conf. paid by rt. For blogs, op eds, TV • 46 47% Econ. Geologists agree man-made crisis because truth too costly emotionally, intellectually, financially						• 46 Clear connection between denial and soc/econ privilege • 47 Believe don't have to deal with warming • 48 Poor countries storms, droughts, flooding rolling back sus. devpt. • Upends worldview and willing to write off swaths of humanity & rationalize profiting from meltdown • Corporate more rapacious, more violent in finding resources • 49 Wealthy protect seawalls, high-tech fortresses, stronger anti-immigration laws, intervene overseas in water, oil, land • 50 insurance industry • Billboard says climate change people are murderers • 51 Disaster denialism or capitalism • Benefits to warmer climate • 52 Public sector crumbles								• 56 2 decades we have kicked the can down the road • 57 Sell climate action by playing up concerns about national security						• 59 science is forcing us to choose how to respond • Culture is fluid – has changed throughout history – why rt. Wants to hide evidence • 63 real reason failing to respond is because actions required directly challenge reigning econo. Paradigm (deregulated capitalism combined with public austerity)					

Chapter 2: Hot Money: How free market fundamentalism helped overheat the planet																																	
					Trade Trumps Climate				Wall Down, Emissions Up				Trade & Climate: Two Solitudes				Cheap Labor, Dirty Energy: Package Deal				A Movement Digs Its Own Grave				From Frenetic Expansion to Steady States						Growing Caring Economy		
64		66		68		70		72		74		76		78		80		82		84		86		88		90		92		94		95	
• 64 3yrs ago global energy programs challenged under WTO • 67 Ontario solar co. – bar set high for employment of 40-60% within province – by 2012 largest producer in Canada and 2013 1 coal plant working • 68 violation of WTO discriminating against Japan and European Union					• 69 From climate perspective WTO outrage – let trade trump the planet • From legal view ok – favoring local is discriminating to trade agreement • 70 Fossil fuel cos. Receive \$1Trillion in global subsidies but pay nothing for air pollution • Local job creation key to renewable energy programs • Exs of other climate steps slowed down • WTO against reducing gas • 3 policy pillars: privatize public, dereg corporate sector, lowering taxes				• 1950s first notice of planet warming • '65 Pres. Johnson • 1988 James Hansen testimony – 79% Americans knew (38% in '81) • 1989 Berlin Wall falls, Western consumer lifestyle growing lavishly, credit card debt increases 4x				• 77 1992 NAFTA and Rio Earth Summit (one w/legal support; the other w/no support) • Gains made in envir. unmade by trade • 78 global food system now accounts for 19-29% gas emissions • willfully eliminated environ. From trade agreements • 79 emissions accounting doesn't account for where goods manufactured • shipping expected to double or triple by 2050 • distorted picture of drivers of emissions				• By 2007 China 2/3 global emissions increase – doesn't account for where products sold = 48% goods • Corp. find cheapest labor force – correlation low wages and high emissions • 82 In past cos. Forced to deal with employees – now can dismiss them • Feeding god of economic growth goods go on ships and not account for where go				• 83 Clinton agreed not to sign NAFTA until responded to feedback, but once elected, signed it • 84 NGOs being careful: Greenpeace, Friends of the Earth, Sierra Club • 85 NAFTA – envir. groups let it go • Need to think about why we trade and who it serves • 86 Need to localize economies again, think about what and why purchasing and where produced				• 86 Logic of indiscriminate economic growth needs to be confronted – in conflict with limits of air • 87 Now need to cut emissions 8-10% annually – not since began using coal • 88 Immediate degrowth strategies needed • Cherish: decent standard of living, security, relationships – and tell the truth • 89 think differently, alternative futures • many leaders given up hope • some rather see chaos than change growth, profit capitalism • destabilize political and social order • look less like Great Depression than Great Transition • 90 What to do? Consume less, new policies, top 20% take biggest cuts • 92 Benefits: civic space, physical activity, community building, cleaner air and water • Same tools for poor • Reorder Gross Domestic Product						• 93 selective degrowth: luxury taxes, grow public sector • Benefits: shorter work hours, improved life quality • 94 Basic annual income • Basics covered: health, education, food, water – inequality basic strategy for dealing w/climate change • 95 Change everything about economy so pollution not change our physical world		

Chapter 3: Public and Paid For: Overcoming the ideological blocks to the new economy																						
Fossil Free Economy Possible - but Social/Political Will Blocking						Superstorm Sandy Debacle (Reinventing the Public Sphere)						The Polluter Pays										
96		98		100	2		4		6		8		10		12		14		16		18	119
• 96 Hamburg 50.9% take electricity back – local power – goods which all dependent belong to the people – fast spread of green – off coal and nuclear • 97 rapid shift to wind/solar has been hundreds cities/towns voted to take energy grid back • 98 most surprising is force of German public against privatization • 99 Boulder: sole purpose of reducing planet impact – began with desire to switch to clean power • compelling relation between communities getting off dirty energy and public ownership (Netherlands, Austria, Norway) – Austin, Sacramento • 101 private cos. Can't do on scale required • IT IS NOW ENTIRELY POSSIBLE TO RAPIDLY SWITCH ENERGY SYSTEM TO 100% RENEWABLES within 20-40 year time • 102 Need gas, coal, oil a MYTH • Biggest obstacle: social and political will						• 103 Superstorm Sandy response inadequate, particularly poorest areas • 105 Katrina 2.0 – backup of care because not have personal info • 45,000 die annually because lack health insurance • apocalypse means something uncovered/ revealed: need for universal health care • danger being dependent on one form of energy – social isolation • 106 tightest knit communities survived best • huge risks with deep inequality • 106 UK floods 2013-14 just when gutted Envir. Agency (EA) • 107 good times deride big government but has backs in crisis • 1970s 660 global disasters; 2000 3,322 (5x) – events of drought, hurricanes, typhoons, earthquakes, heat waves, wildfires – emergency responders missing • 108 cost astronomical: Sandy \$65B; globally 2011 \$380B • Need: emission reducing projects, light rail, composting systems, building refrofits, urban redesigns • 109 Transit: lower price, expand service • Disaster insurance disappearing • Philippines, Kenya, Bangladesh most severe climate impacts – build seawalls, networks for food, water, medicine, shelters, public health						• Essential question: How pay for all this? To overcome poverty, increase food production, avert climate change \$1.9T/annually next 40 years. • 111 Top 5 oil cos. \$900B in profits 2001-2010. Exxon \$45B in 2012. Dumped cost of cleaning their mess. • Strong action: saying shift to renewable energy once was 4%; now half. Chevron closed division doubled target profits. • 112 Like tobacco cos, can legislate carbon tax – money for poor or to build post-fossil fuel future. • 113 beyond extractive industries – US military (largest global oil consumer); car companies; shipping industry. • 113 direct correlation between wealth and emissions (fly, drive, boat) – 250% - tax rich more to save civilization (see list pp 114-15) • 115 These measures would raise \$2T annually • Success depends on perception of fairness like in WWI and II • 116 Human identity no longer defined by what one does, but what one owns – has to change • Act of patriotism – assure social justice • 118 polls show people respond if fair – bans bailed out not fair – cap and dividend perceived as fair • anger at lopsided sacrifice – if funds to social service reducing inequality tax attitudes would change • 119 Nature of challenge: long term planning at every level; stand up to polluters; break free market rules – robust social movement to demand and create political leadership • 2 lost arts: long-term public planning and saying o to powerful corporations										

Chapter 4: Planning and Banning: Slapping the invisible hand, building a movement																																			
Lost Moment for Transformation				Planning for Jobs			Planning for Power				German Miracle			Remembering How to Say No								Not an "Issue", a Frame													
120		22	24	26		28	30		32	34	36		38		40		42		44		46		48		50		52		54		56		58		160
• 120 2009 moment when transformation possible: Obama elected, banks/ car demise – promise to rebuild main street and deal with climate change – stimulus program • 121 IF had powerful social movement trade union, immigrants, students, environsts. Build best public systems and smart grids, recover factories (like Canada) • 123 85 people control wealth = ½ global population • 125 climate Acton comty. rebuilder and job creator • STOPPED by unwillingness to say NO to corporations				• 126 Criteria: provide jobs and local products • can create 31% more jobs repairing roads than creating new ones • 127 renewable energy provides more jobs/unit energy than fossil fuels • \$1.3B (oil subsidy) would provide 20,000 new jobs renewable energy(6-8x oil) • South Africa: 1M Climate Jobs • 52% Brit. interest returning energy and rails to public			• 130 natural gas touted as 'bridge fuel' – bridge not necessary as seen by Germany • 131 farms, municipalities, coops decentralize power – 900 coops in Germany; 400,000 jobs • G among fastest transition globally • 131 Denmark has 85 ownership local • 132 objections neutralized with local planning • 134 farming agroecology using science and local knowledge w/ triple climate benefit: • 135 outperforms chemical fertilizers: Malawi double yield • Don't need Gates Green Revolution • US has 50M food insecure and more food than knows what to deal with				• German emissions up in 2012 – still burning dirty coal • 137 12% global energy is nuclear • 2012 report says 67% renewable power possible by 2030			• 139 2nd largest dam in world to contain toxic water in Alberta • terra-deforming – if continues will be size of England • bitumen 3-4x greenhouse gas intensive as oil • 2011 largest act of civil disobedience in history of N America climate movement • 141 Obama not able to say no to fossil fuel industry – policies needed now seem preposterous • 143 misconception that society refusing to change – energy sector changing rapidly (fracked methane 30% higher than gas and even more efficient trapper of heat) - 86X carbon dioxide • 144 Germany, Czech Republic, Poland all using coal • offshore drilling continues • 146 'stranded assets' if keep fossil fuels in the ground creating alarm • 148 creates demise for extractive companies • 149 money to bribe – Canada • 150 fossil fuel lobby power • 151 many sectors have interest in curtailing power of money over politics • 152 sense of fatalism pervades								• 153 Breathe new life: Challenge corruption, lower emissions, raise taxes on rich, block harmful trade deals, reinvest in public sphere • Abandon bad habits: environmental crisis does not trump political and economic issues • 154 This moment offers good jobs, justice for migrants, reparations for historical wrongs, building a new economy													

Chapter 5: Beyond Extractivism: Confronting the climate denier within

Nauru a Demo – Now a Warning								Ultimate Extractivist Relationship						Extractivist Left						Some Warnings, Unheeded					
161	162		64		66		68	70		72		74		76		78		80		82		84		86	187
• 161 Nauru – diabetes and health kick • 162 Since independence 1968, had highest GNP globally • 163 phosphate became agricultural fertilizer for Australia and New Zealand • 164 bad investments and squandering mining wealth, now a poor country • 400 phantom banks • Now double bankruptcy of \$800M • 165 experience of ‘solastalgia’ (solace, destruction, pain): homesick when still at home – earth now home under assault creating global dread • 166 Like Nauru we are spending without worry about tomorrow • Nauru now a detention center ‘death factory’ for five years for many • 169 Lesson in the mentality of relating to earth violently, creating sacrifice zones								• 170 History: Francis Bacon, scientific revolution, James Watt the steam engine • 172 Steam engine tipped balance because could be used anywhere and not dependent on nature • 173 Explosive growth in British manufacturing: 2.5M pounds to 366M in 80 years • 174 Coal a portable climate • 175 Now ferocious natural temper of climate – to confront truthfully is to confront ourselves re power relation between people and earth • 176 Coal’s causalities when extracted and gift when sequestered • Our task: Let the dead rest.						• 177 Victories against dominance paradigm: slavery, universal suffrage, equality – mainly intellectual • 178 Deeper message: acting regeneratively challenges both right and left • 179 Bright spots: Scandinavia, Latin America, Africa • 180 BUT Latin American not figured out how to say no to extracting fossils • 181 Greece too • 182 Good news: social movements within these countries pushing back – alternative routes to getting out of poverty and economic crisis						• Environmental movement has not provided challenge to extractive view of nature • History: John Muir, Thoreau, Rachel Carson • 186 Christian Parenti • Voices of warning unheeded – did not deal with limits of growth – saw as new business opportunity					

PART II: Magical Thinking

Chapter 6: Fruits, not Roots: The disastrous merger of big business and big green (Emphasis on Picking Low Hanging Fruit, Not on Digging Out the Root of the Problem)

Nature Conservancy Drills for Oil								Golden Age				1980s Redo				Policy vs. Surrender				Shop		Frack						Trade Pollution																											
191	92			94		96			98			200			02			04			06			08			10			12			14			16			18			20			22			24			26			28	229

Chapter 7: No Messiahs: Green billionaires won't save us (Wealthy Individuals Aren't the Answer)

Intro		Broken Dreams						Empty Promises						Promise Broken				Avoidance Strategy							
230		32		34		36		38		40		42		44		46		48		50		52		54	255

Chapter 8: Dimming the Sun: The Solution to Pollution is ... Pollution? (Geo-engineering Isn't the Answer)

Intro					Horrifying Results				What's Wrong?				Historical Examples				Geoengineering								Astronaut View (Problems w/an 'above it all' perspective)									
256		58		60		62		64		66		68		70		72		74		76		78		80		82		84		86		88		290

PART III: Starting Anyway

Chapter 9: Blockadia: New climate warriors

(Principle 1: Leave the oil in the ground; no new fossil fuel frontiers)

Welcome to Blockadia								Operation Climate Change (Nigeria)			Now We are All in the Sacrifice Zone				Choked in Enemy Territory				BP Factor: No Trust			Educated by Disaster			Return of Precaution			
293	94		96	98	300	2	4	6	8		10	12	14		16	18	20	22		24	26	28		30	32	34		336
• B cropping up where extractive projects – desiring democracy and control over resources (healthy air, water, soil) • Change in perspective – no major project is a done deal • Exs: Chevron in Romania; 'sacred fire' New Brunswick, Canada; Britain's 'dash for gas'; Greenpeace & Russia; Inner Mongolia, China; Australia; 14 spills US Keystone creating 'Cowboy & Indian Alliance' • Term B began Aug 2012: 86-day tree blockade of Keystone – revived and reinvented US environmentalism • Global Frackdown Sept'12 w/20 countries participating to KEEP CARBON IN GROUND = Keystone principle – 'none of the below' – power from abundant energies on earth's surface								• Mvmt. began 1990s in Niger Delta – annually for 50 years Exxon Valdez worth oil spilled • '93 300,000 marched – ceased extracting Ogonland • Youth Council • Alliance w/ Ecuador's Rainforest Chernobyl • '80s tree sit-ins, equipment lockdowns			• Extreme energy frenzy (tar sands, fracking oil/ gas; deep-water drilling; coal mountain top removal) requires sacrifice zones – poor, out of the way places (no power re race, class or language) • Broken unspoken bargain • "Saudi America" w/ 4111% increase in 5 years of oil carrying rail cars (2008 9,500 to 400,000 2013) • Natural gas strongest • 15M Americans w/in mile – ecocide • All in same sinking boat – now all in sacrifice zone				• Corporations treat politicians as PR wing • Ithaca, NY center for research game-changing study on methane emissions – 180 fracking bans in NY state – call to shift to 100% renewables • France 1st nation 100% fracking ban (2011) • Highway 12 Montana/ Idaho 'action camp' – Cowboys and Indians – Pacific NW (OR, WA, Br. Columbia) indigenous nations, farmers, fishers – bane of oil industry • Market for coal has collapsed 2008-2012 from 50 to 37% electricity generated • KC Golden WA visionary climate policies • Richmond, CA blocked Chevron expansions • Networking – a mood, energy 2013 visible "We draw the line" w/ wood carvings in Canada				• Sledge hammer above ground obvious (mountain top coal removal, open-pit tar sands); under ground not so obvious (fracking, deep water drilling, under ground tar sands (in situ) extraction – breaking apart ecosystems • 330 BP = take no extractive co at their word – 2010 BP disaster Gulf Mexico wake up - 11 died, largest accidental marine spill – 3 months gushing			• 10 days after Gulf Mexico stopped, Embridge pipeline burst in MI – largest onshore spill in US history (diluted bitumen piped from Alberta Sands) • Train explosion Quebec (cut engineers to 1), 300,000 in W VA not drink/ bathe in water for 10 days from coal mining chemicals, Shell in Arctic • 2012: 6,000 spills oil/ gas sites US (16/day) – and 1/3 cleanup			• Say no to jobs, royalties, safety – not negotiable			

Chapter 10: Love Will Save This Place: Democracy, divestment and wins so far

Love Examples						Love and Water				Early Wins				Fossil Free: Divestment Movement				Democracy Crisis			Beyond Fossilized Democracies									
337	38		40		42		44		46		48		50		52		53	54		56		58		60		62		64		66
• 2012 Bella Bella, Br. Columbia – 90% Heiltsuk 1st Nation – youth – misunderstood demonstration as violent vs. love • Halkidiki, Greece • Highway 12 in Montana • Protecting forests, mountains, rivers, coastlines protects all						• Less anti-fossil fuels and more pro-water movement • 2011 Save the Fraser Declaration in BC – salmon is connection of waterways – • Duty to protect water • Unites cattle ranchers with Cheyenne • Delaware River Basin – kicked movement into US mainstream • Keystone through Ogallala Aquifer triggered response • 2.3 barrels water to produce 1 barrel oil tar sands • 2012 use 70-300 times fluid in fracking than 1990s				• 2010 Costa Rica banned new <u>open-pit mining</u> • 2012 Columbia • Sierra Club “Beyond <u>Coal</u>” 2002 – retired 170 plants; prevented 180 proposed • Tar sands • Asia, India coal & gas • Air pollution China – 250 hazardous/ 2014 hit 671 - greatest cause social unrest • 2013 turning point for coal – Goldman Sachs sold coal stake				• No new fossil frontiers into law proposals: Europe ban on fracking; global ban on Arctic and Amazon fracking as well as tar sands extraction • Colleges, faith org, municipal govs divest fossil fuel funds - student-led – one of most powerful tactics – by Nov'12 campaigns in 300 campuses and 100+ cities, states, relig, 17 foundations – 13 colleges and 25 cities by 2014 – Stanford U \$18B • Socially and morally unacceptable to finance fossil fuel extraction – bankrupt reputation and take away political power (like tobacco cos.) • Impacting big green groups (some central part: Food & Water Watch, 350.org, Greenpeace, RAN, Friends of the Earth • Shell Jan'14 48% drop				• Quebec banned fracking • More public debate about trade agreements than past years			• Blackadia pro-democracy movement (capacity to decide, collectively to protect what can't live without) • Decisions water, air, land • 170 NY towns adopted anti-fracking ordinances • Reaction: reclassify activists as terrorists • Transition Towns demonstrating new democracy (energy decent action plans) • Isolation is greatest threat for resiliency									

Chapter 11: You and What Army? Indigenous rights and the power of keeping our word																				
Keeping Word			Last Line of Defense				Might vs. Right				Honor the Treaties				Moral Imperatives of Economic Alternatives					
367	68		70		72		74		76		78		80		82		84		86	387
• 2004 Indigenous Network on Economies and Trade – find costs re native rights • Weyerhaeuser and Br. Col. • How make Canadian gov. keep its word?			• January 2014 coalition Alaskan tribes vs. Shell – risks to Inupiat ways of life (related to ocean) – subsistence and environmental impacts the same – ruling against Shell • UN Declaration on the Rights of Indigenous Peoples Sept 2007: Indigenous people have right to conservation and protection of environment and productive capacity of their lands and resources" plus the "right to redress for lands confiscated, taken, occupied, used or damaged without their informed consent" • Bolivia 2009 followed suit				• Enlightened laws of Bolivia and Ecuador • Ecuador "Rainforest Chernobyl" ordered Chevron to pay \$9.5B in damages • Beaver Lake Cree Nation in tar sands Canada – Crown infringed 15,000 times on treaty rights – strong case since beyond individual cases • Unspeakable social injustice • North Athabasca Chipewyan First Nation lawsuit against Shell (92000 employees and \$451B revenues) and Canadian government over approval tar sands expansion (1,000 members + \$5M revenues)				• Historical reconciliation between Indigenous and non-native people • 2012 Idle No More – flash mob round dances, hunger strikes, youth month-long spiritual walks, blockades • 2102 budget bills gutted environmental frame – investors took note – 1st time Canada not top of mining list - First Nation issues dominate • Will determine fate of planet – muscle to turn right into might • Jan/14 Neil Young "Honor the Treaties" tour: health impact, cancer rates of tar sands – sparked national discussion; government opposition overcome • Chief Allan Adams: last line of defense against encroaching tar sands development don't want and already suffering from				• Last line of defense against systemic econ/ social disenfranchisement – need to cover basic human needs • 25% waters already neglected have high overall risk to health, without sewage and running water • Climate change causes quick agreements because food and jobs scarce • Greenland shows ex. – Drill for oil could buy their independence (home rule since 1979) • BP vessels of opportunity for rescuers to be hired for cleanup in New Orleans • Best of bad options • Troubling moral questions: unemployment, money for legal battles, economic opportunities – people need to see real economic opportunities					

Chapter 12: Sharing the Sky: The atmosphere commons and the power of paying our debts (Building Army of Solar Warriors)

Partnerships Emerging				Sun Comes Out				Don't Just Divest, Reinvest				Local to Global Debts				Tipping the Balance			
388		90	92		94	96	98	400		2	4	6	8		10	12	14	16	18
• SE Montana – enough coal for US 200 years – threatens rivers • Sweet Medicine prophecy: dig up black rock being on madness and end to Cheyenne culture • 2010 fossil fuel frenzy: rail for biggest new coal mine –chokepoint battle • Crow reservation coal-to-liquids 2 times carbon as regular gas • Sierra Club triage – National Wildlife Federation – right to breathe clean air • Internal and external problems – promised jobs and money – create cultural alienation – word for water = life • Alternatives: straw bale homes, wind and solar				• 2011 return trip: sun life giving force ties into culture, ceremonies, language, songs • Moving to renewable is shift in power sources and power relations between people and nature; power of sun, wind, waves – a “partnership ethic” working synergistically w/earth instead of using it • Red Cloud: Native Americans always fought for the earth – now training solar warriors – Beyond Coal, Idle No More • Denmark/Germany largest countries to decentralize • Climate movement job is to make moral case for communities to build life-based economies – job training, jobs, revenues • 2012 Canadian study shows \$5B invested in pipeline and what could be done with that money for public transit, building retrofits and renewable energy can create 3-4 times the jobs at same time reducing warming • Move beyond saying no to transformative yeses – clean jobs, social safety net				• Divest-Invest priorities: renewable energy funds; bolster local economies – community investment funds, socially oriented banks, credit unions, union pension funds, coops, worker and community-owned businesses, non-profits, municipal initiatives – insulating/solarizing buildings, expanding public transit, developing low-carbon equipment for schools and hospitals, developing new recycling systems • Beyond fighting system to building inspiring alternatives while creating new economic models – DNA of social change = resistance and alternatives • No safe havens no ‘green museums’: Vermont organic farmers; New York and Superstorm Sandy • Beyond movement of negation or protection to constructive, actively building alternative economy w/different values and principles • Public pressure in disasters potential for educating public addressing twin crisis of inequality and climate change simultaneously • Living labs Greensburg, KS & New Orleans: “Only true and green sustainable things in life are how we treat each other”				• Cheyenne reservation and Ecuador – international community compensates communities for not extracting • Geneva 2009 Bolivia – developed countries w/20% population emitted 70% pollution • As emissions continue to soar, poorest lose first and worst • Thorny questions: What are rights of poor in relation to rich role in climate crisis? • Global South growth creating tipping point crisis – where action can have greatest impact now • Obama 2013: If China and India imitate US, we will in be in 4 feet water • 1/3 greenhouse emissions from buildings				• Create development model that doesn't rely on endless growth and dirty fuels (pipelines and terminals): battle new trade deals, rein in overconsumption • Alternatives: free public transit riots in Brazil; global feed-in tariffs; ecological debt; reparations for past slavery – serial thefts of land, labor and space			

Chapter 13: The Right to Regenerate: Moving from extraction to renewal

					Aquatic Miscarriage				Country for Old Men			BP's Legacy			Disappearing Babies		Fallow Time						Coming Back to Life						
419	420		22		24		26		28		30		32		34		36		38		40		42		44		46		48
• 419 7 years lost capacity to enjoy nature – grieving for the inevitable • 420 'pre-loss' habit – some 'gobble it up before its gone' nihilism •					• Infertility – battle to create living				•			• 1-2 punch of economy built on fossil fuels			•		• To become pregnant did yoga, meditation, diet change, acupuncture, Chinese herbs – moved to Br. Columbia • 437 identify bird sounds • 438 before can care for others have to care for self • Continuous natural life cycle • 439 new problems: dead sea zones, honey bees, • 439 Land Institute trying to grow like Mesoamerica – nitrogen-fixing legumes • 440 son was conceived – story of regeneration • 441 salmon disappeared from 40% of their range Pacific • 442 special nurturing and vigilance						•						

Conclusion: The Leap Years: Just Enough Time for Impossible

Direct Resistance Only Hope									Fight for Freedom Continues						It Takes All of Us		
449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
450 Dec'12 24,000 scientists: Bottom line: resource depletion so rapid, convenient, barrier-free, 'earth-human-systems' unstable Only hope: resistance movements: environmental direct action, resistance outside dominant culture – likeliest friction to slow down economic machine ... past social movements had tremendous influence ... <u>only mass social movements can save us now</u> 451 identified choke points ... economic alternatives mapping ways of living within planets boundaries based on intricate reciprocal relationships What has happened in past 5 years (key paragraph) 452 change needed on daunting scale and speed ... leave vast majority of proven fossil fuel reserves in the ground 456 compares to slavery ... \$10T value of fossils need to leave in ground									458 Facing past 2 centuries economic demands – Marshall Plan for the Planet ... defend and expand the public sphere ... climate change provides the force for all past movements 459 Lessons from the past: Economic shifts come about when mass social mobilization ... 460 Greatest <u>barrier to humanity: battle of worldviews, process of rebuilding and reinventing collective, communal, community, civil and civic</u> ... breaking many rules at once. 461 Change comes in spasms ... shock therapy ... how change a worldview? <u>Choosing right policy battles that change patterns of thought ... debate about values ...new stories to replace failing stories.</u> View past with compassion ... create spaces to confront ecocide 462 Task: <u>articulate new world view: embedded in interdependence, reciprocity, cooperation (key paragraph) ... language or morality (pragmatic, right/wrong, love and indignation)</u> 464 Responses from young/old (inter-generational), social justice movements						464 Recent movements 465: <u>effervescence of rebellion</u> ... longings have company 466 engage <u>in cacophonous global conversation</u>		