

INTRODUCTION

On May 7, 2019, [The Boston Area Sustainability Group](#) (BASG) held its monthly event on the topic of ***The Green New Deal: A Broad Resolution with a Bold Vision. Over 100 people attended the sold-out event.*** The goal of the evening was to learn what the Green New Deal is all about and how we, as an organization and individually, can get involved. Because the Green New Deal is meant to inspire coordinated action, we took the opportunity to replace our usual BASG format with a large-scale visioning and brainstorming session. We offer this document for reference to any organization, legislator, etc. who finds it useful.

Representative Marjorie Decker (D- 25th Middlesex), Sue Donaldson (350 MA and [A Better Future Project](#)), and Nick Rabb ([Sunrise Movement](#)) reviewed the Green New Deal and the legislative process. Then BASG attendees brainstormed ways to take a green approach to our economy, infrastructure, agriculture, transportation, energy, equity, workforce readiness, and much more. The ideas in this document came out of this event. These ideas illustrate the knowledge and creativity of participants, the need for a wide range of approaches that target the environmental and justice crises before us from every angle, and the role that all sectors – government, academia, business, and activists – have to play in transitioning to a green and just economy.

The three pillars of the Green New Deal are 1) Rapid Decarbonization, 2) Green Jobs and Infrastructure, and 3) Environmental Justice. As we worked in groups to brainstorm solutions in each category, significant overlap and literally hundreds of ideas to consider emerged. The BASG organizing team has worked to group these ideas into manageable sub-categories, but please note that there is understandable overlap. Special thanks are due to Carol Baroudi, who transcribed all rough notes and did the first edit and Amy Perlmutter, who has provided additional editing and organization. Tilly Pick, Eric Grunebaum, and Holly Fowler provided valuable input as well. We extend our sincerest gratitude to all members of the BASG community who attended and contributed their energy and ideas to the event.

The Boston Area Sustainability Group's mission is to break down the silos of knowledge within the overarching field of sustainability, to assist the perpetual education of ourselves and our peers, and to grow a robust community of subject matter experts equipped to collectively drive sustainability forward. We are an affinity group of 1700+ sustainability practitioners and engaged individuals representing a myriad of industries, academia, government, NGO, and not-for-profit entities in the Boston area and beyond. Participants hail from 264 communities across 24 states and a dozen countries. Since 2009, we have come together on a regular basis to network, to learn, and to exchange on critical topics of sustainability.

DISCLAIMER

The following notes represent the collective brainstorm of BASG members transcribed and organized to the best of the BASG organizers' ability without compromising original ideas. Any inaccuracies or offenses are not intentional. Circulation of this document is not an endorsement of any idea enclosed, but an invitation for more dialogue and collaboration in the future.

EVENT REGISTRANTS

The following is a list of individuals who attended the event including guest speakers and BASG volunteer organizers.

Alanna Nelson	Emily Paulhus	Lynn Marie DePippo
Alexandra Ellis	Eric Grunebaum	Madison Burke
Alexandra Vecchio	Erik Pohl	Malcolm Cummings
Alina Tomeh	Farrah Andersen	Marcelle Bastianello
Alicia Walters	Gabrielle Watson	Mary Rose Scozzafava
Allison Jones	Gary Smith	Matt Weaver
Allison Zuchman	Gordon Thompson	Matthew Calvey
Aminah McNulty	Greg Beier	Matthew Spearing
Amy Perlmutter	Greg Hershenson	Meera Singh
Ana Leary	Grey Lee	Melissa McWhinney
Anna Oposa	Hanna Ogilvy	Mikheil Petrosyan
Anne Bancroft	Helen Lee	Nathan Kingery-Gallagher
Anthony Brewer	Helen Snively	Nelson Dale
Arnold Sapenter	Hilary Matthews	Nick Rabb
Asli Topuzlu	Holly Fowler	Patricio Belloy
Bernard Hidier	Ian Todreas	Paula Gutlove
Beth Zonis	Jane Obbagy	Payal Loungani
Bethany Patten	Janet Conroy	Peter Jones
Carol Baroudi	Jeffrey North	Philip Vergragt
Caroline Malcolm	Jennie Stephens	Rachel Jellinek
Cecelia Bolon	Jennifer Kimball	Randi Mail
Cherie Mohr	Jessiah Adamopoulos	Randy Herman
Chris Kelly	Joan FitzGerald	Renee Kasinsky
Christine Rioux	Joanne Zygmunt	Rep. Marjorie Decker
Christine Zende	John Berg	Rochelle Higgins
Claudia Garcia	John Fantasia	Samantha Akiha
Courtney Bednaz	John MacDougall	Samantha Caputo
Craig Altemose	John Phillips	Sarah Griffith
Curt Newton	John Walters	Sarah Simon
Dan Bancroft	Jonathan Adams	Sarah Wang
Daniel Hoak	Karen Osborn	Scott Mullen
Daniel Riva	Kenneth Snider	Sripriya Narasimhan
David Corbie	Keren Schlomy	Stefan Pagacik
David Lee	Kerry Hastedt	Sue Donaldson
David Schreiber	Kinga Jacaszek	Tanhay Gentillon
Deborah Cooper	Kyle Khani	Tilly Pick
Delphine Gabbay	Larry Yu	Timothy Havel
Don Reed	Laura Kiesel	Tom Bell
Doug Koplou	Lauren de la Parra	Topher Buck
Edward McGrath	Lauri Murphy	Waseem Givens
Elizabeth Stephenson	Leandro Molina	William Moomaw
Emily L	Luke Hydrick	Yenii Majano

TABLE OF CONTENTS

I. CREATE A CLEANER AND HEALTHIER ENVIRONMENT (p. 4)

A. Decarbonize Rapidly

1. Further Develop and Deploy Technology to Reduce Fossil Fuel Consumption at all Levels
2. Reduce the Carbon Output of Buildings
3. Use Incentives/Disincentives
4. Sequester Carbon
5. Retain/Develop New Policy
6. Reduce Transportation Impacts

B. Encourage More and Cleaner Public and Other Transportation

1. Create Policy
2. Retain/Develop New Technology
3. Use Incentives/Disincentives
4. Improve Convenience of Lower Carbon Alternatives
5. Upgrade Infrastructure

C. Move Towards Zero Waste

1. Reduce Waste
2. Create Policy

D. Increase the Supply of and Demand for Local Healthy Food

1. Create Urban Food Sources
2. Shift Eating Habits
3. Other

II. EXPAND GREEN INFRASTRUCTURE (p. 9)

A. Establish Green Development Criteria

B. Provide Funding

C. Provide the Workforce

D. Provide Incentives

E. Create More Sustainable and Affordable Housing

1. Policy
2. Deploy Technology
3. Provide Incentives

F. Other

III. GROW THE NUMBER OF GREEN JOBS (p. 11)

A. Provide Incentives

B. Create New Jobs

C. Other

IV. CREATE A JUST TRANSITION (p. 12)

A. Prioritize Environment Justice Communities in all Efforts

1. Provide Funding and Assistance
2. Upgrade Infrastructure
3. Air and Water Quality
4. Other

B. Preserve and Expand Green Space

V. COMMUNICATE, EDUCATE AND TRAIN IN MULTIPLE LANGUAGES (p.14)

A. Increase Environmental and Equity Literacy; Skills training for a Green and Just Massachusetts

1. Through Schools
2. To the General Public
3. Train for Green Careers

B. Listen and Organize

I. CREATE A CLEANER AND HEALTHIER ENVIRONMENT

A. Decarbonize Rapidly

1. Further Develop and Deploy Technology to Reduce Fossil Fuel Consumption at all Levels

- Assess industries of greatest carbon output and convert them to clean energy sources (training the workforce where needed). Target 3-5 industries/companies and support their transition to greener practices to provide industry examples that can be promoted as case studies.
- Develop more wind farms – both offshore and on. Turn coal plants into wind and solar farms.
- Support Interconnection of distributed energy generation.
- Develop wave energy – tidal power (we have a shoreline!)
- Eliminate and replace HFCs in refrigeration.
- Accelerate input of renewable energy systems.
- Couple energy storage with renewable energy systems – generation during low-demand periods can be used to directly offset fossil fuel combustion during high demand periods.
- Cooperate regionally on high-capacity long-distance electric grid so clean energy can be widely shared.
- Promote co-generation at state and city levels.
- Subsidize energy storage / batteries to enable higher percentage of renewables on the grid – fund research; fund research into better storage technologies.
- Support installation of more anaerobic digesters to utilize food waste, agricultural waste and municipal waste water.
- Install smart meters in buildings.
- Promote early and even incremental success of communities and industry leaders.
- Encourage green burials.
- Aggregate energy across communities for all MA towns – transforms home and business energy use by providing renewables for everyone.
- Strengthen sustainability criteria for all government RFPs.
- Identify top five (5) green challenges:
 - Gather stakeholders from citizens, academia, government & industry
 - Use facilitators to generate challenge statements that can turn into solutions
 - Fund top ideas and follow through completion
- Fund further clean energy fuel research.
- Determine “low-hanging fruit” and support those communities/industries where change can happen fastest first.

2. Reduce the Carbon Output of Buildings

- Move towards electric only buildings – induction stovetops, air to air heat exchangers (air source heat pumps) for space conditioning.
- Deploy millions of thermal batteries for small buildings.

- Use panels on all new schools, on other municipal buildings and on affordable housing.
- Use MA National Guard on deep energy retrofits of all legacy housing.
- Transition building heat from oil and gas to renewables.
- Create more green roofs.
- Promote geothermal for colleges and office buildings.
- Get air source and ground source electric heat pumps to replace oil furnaces in residential sector - reduces CO2 and increases MASS Save subsidies.
- Identify and target the most wasteful buildings with corrective actions.
- Develop strict energy consumption guidelines on private homes and buildings.
- Decentralize work, de-emphasize urban building congestion, promote remote working opportunities.
- Use more sustainable materials with better energy performance.
- Require solar or other renewable energy in all new home and building construction.
- Capture rain water for non-sanitary purposes – decreases load for water treatment.

3. Use Incentives/Disincentives

- Retain subsidies for solar, wind, other renewables; levy taxes on fossil fuels.
- Tax polluting companies.
- Lower property taxes on green buildings.
- Create incentives to reduce consumption.
- Implement planned electrical blackouts.
- Utilize true cost accounting of environmental impacts of industry; charge polluters for negative externalities, monies go to impacted communities.
- Implement a strong carbon price with low-income protections.
- Create R&D incentives for building HVAC efficiencies – currently = 40% of fuel use.
- Disclose energy bill or CO2 footprint at sale of home.
- Identify MA-based clean-tech startups and invest in relevant new technologies.
- Rethink financing of energy insulation/efficiencies for all income levels.
- Extend solar model to other renewables, for example geo-thermal.
- Identify and finance electrical needs / micro grids and make sure that increased electrification can be reliably and efficiently delivered.
- Support research in alternative energy.
- Incentivize wood construction over steel and concrete.
- Subsidize transition to regenerative agriculture (for re-tooling for example).
- Incentivize pollution cleanup – ocean / land /air.
- Remove subsidies and further tax gas at the pump – allow gas prices to rise.

4. Sequester Carbon

- Convert agriculture to regenerative agriculture, including no till, pastured animals, soil building and preservation practices, use of compost and natural amendments, no fossil fuel-based inputs, and more.

- Plant gardens for carbon capture.
- Incentivize private sector investment in habitat restoration and carbon sequestration.
- Establish carbon sequestration/drawdown on Massachusetts farmlands, ocean systems, parks and preserves.
- Research and deploy Carbon Capture/Storage methodologies.
- Plant more trees (massive reforestation) in urban, suburban, and rural areas, which will also reduce flooding.
- Protect lands and forests – no further destruction.
- Fund research in carbon sequestration.
- Restore coastlines and coastal ecosystems, e.g. wetlands and dunes.
- Recover / protect more land for pasture use.
- Protect the Amazon from further deforestation any way we can.

5. Retain/Develop New Policy

- Require natural gas companies to fix leaks and create a publicly accessible, easy to use reporting site.
- Require businesses to do a GHG inventory and make a plan to reduce emissions with mandated periodic reporting; mandate transparency for better corporate accountability.
- Tax companies on emissions to pay for infrastructure improvements.
- Prioritize DEP and State agency work on climate action and relevant permitting.
- Require solar or other renewable energy on new homes.
- Divest from fossil fuel.
- Improve the building code and demand third party oversight to ensure the code is actually met; include use of sustainable materials and better energy performance.
- Remove Net Metering caps.
- Restart “cash for clunkers” to replace inefficient vehicles.
- Provide tax breaks for energy efficient upgrades (retrofits).
- Develop a new economic development strategy focused on all clean technologies – water, materials, green building technologies, less toxic products, etc.
- Reduce corporate protections and influence – restrict industry participation in government and increase transparency in governance.
- Demand transparency in research to assure independent findings.
- Ban fracked gas infrastructure.
- Update power market mechanisms to phase out all traditional fuels.
- Create single-payer renewable energy purchasing (large scale community aggregation) led by public institutions, municipalities, and state.
- Tax car sales by fuel emissions.
- Mandate that insurance companies operating in the Commonwealth offer climate disaster recovery coverage.
- Ban fuel-bearing pipelines through Massachusetts.

6. Reduce Transportation Impacts

- Restrict driverless vehicles to being EVs charged with 100% zero carbon energy.
- Promote / facilitate vehicle sharing – maybe through website or app.
- Add high speed rail and aerial pods to auto routes, potentially down the middle of auto routes.
- Reduce corporate travel –subsidize investment into global networking technologies including Tele-presence-like functionality. Create publically accessible Tele-presence hubs making the technology accessible by smaller businesses that cannot invest in the infrastructure. Potentially shovel-ready if vendors can be engaged.
- Install charging stations to lower barrier to entry for EV –At least every 50 miles on interstates and highways and in dense neighborhoods on light and telephone poles.
- Rebuild streets for pickup & delivery only – no parking.
- Mandate employers to offer remote working when possible; allow flexible start and end times to reduce congestion.
- Incentivize working/living in the same place.
- Promote gift economies / local markets / community markets / repair and refurbish versus replace.

B. Encourage More and Cleaner Public and Other Transportation

1. Create Policy

- Create a RGGI for transportation through the Transportation Climate Initiative Direct.
- MBTA & Massport to use all renewable energy.
- Ban internal combustion engines by 2030.

2. Retain/Develop New Technology

- Deploy more electric buses, prioritizing areas with poor air quality.
- Electrify trains, busses, and cars.
- Electrify diesel trains (regional and commuter rail) and expand into old train lines using tracks that already still exist.
- Put high speed rail down the middle of all interstate highways.
- Sponsor research into and support the adoption of cleaner energy fuels.
- Expand consumer mapping and transportation technology platforms, such as Google Maps and WAZE, to show a “least carbon route”.

3. Use Incentives/Disincentives

- Create more affordable public transportation options, e.g., reduced fare tickets, free public transit.
- Impose highway tolls & congestion pricing, with exemptions for EV & multiple-person vehicles and graduated tax credit refund to low-income families.

- Expand incentives for EV, hybrids, carpooling and reduction of single occupancy travel.

4. Improve Convenience of Lower Carbon Alternatives

- Run commuter rail more frequently (electrified trains stop and start much more quickly allowing more stops and more frequent trains).
- Provide ride-share app for electric vehicles.
- Provide free/collateral-based bike share to low income communities.
- Create a direct transit link to Logan.
- Deploy electric regional commuter buses to reduce congestion.

5. Upgrade Infrastructure

- Repair roads using greener materials.
- Repair public transit infrastructure.
- Improve reliability of public transportation, e.g., weather resilience.
- Pedestrianize (and make bike-friendly) city centers combined with rapid roll-out of free electric buses and electrified trains into city hubs.
- Identify transportation systems that reduce congestion as well as emissions, including micro-mobility, to reduce single car trips.
- Create more dedicated bus lanes and bus-ways.

C. Move Towards Zero Waste

1. Reduce Waste

- Invest in social re-use networks & markets (e.g., Craig's List, Freecycle, Goodwill, Savers etc.).
- Reuse glass bottles.
- Reduce packaging.
- Recycle, reuse, and/or repurpose all clothing and textiles.
- Make recycling programs more convenient / accessible.
- Expand municipal waste and compost collection.
- Perform life cycle assessments of products, aimed at reducing product footprints and use of non-biodegradable materials.
- Encourage research and corporate thought leadership in circular economy.
- Establish municipal coalitions to address wider range of diversion options.
- Provide education about recycling- it's not just about bottles & cans, but textiles, plastics, etc. – and it varies by community.

2. Create Policy

- Establish Right to Repair for all electronics in MA.
- Adopt the goal of Zero Waste on municipal and state levels.

- Enact extended producer responsibility laws that require producers to take back their products at end of life and environmentally and responsibly repair, recycle, or upcycle them.
- Require a minimum warranty on durable goods sold in the state.
- Ban disposables.
- Establish an economic development strategy that supports local Zero Waste enterprises and attracts new recycling markets to the state.
- Eventually tax all non closed-loop consumer products.
- Tax highly littered products and put money towards Zero Waste and litter prevention education.

D. Increase the Supply of, and Demand for Local Healthy Food

1. Create Urban Food Sources

- Develop community gardens in areas with Environmental Justice populations – potentially creating jobs building and managing these gardens.
- Identify and transform food deserts into community food forests.
- Distribute food in an equitable and sustainable way.

2. Shift Eating Habits

- Develop “fake meat” industry to provide sustainable alternatives to meat.
- Shift focus to local / seasonal foods.
- Promote a Mediterranean and low carbon diet / reduce meat and dairy consumption.

3. Other

- Increase access to farmable land.
- Protect workers from pesticide exposure.
- Subsidize, incentivize organic no till agriculture (regenerative); tax traditional agriculture.
- Eliminate fossil fuels in food production – no toxic fertilizers / pesticides.

II. EXPAND GREEN INFRASTRUCTURE

A. Establish Green Development Criteria

- Guide infrastructure development by health of humans and nature; create a green infrastructure evaluation framework, like LEED.
- Use more local architecture with natural efficiencies like adobe in the South West.
- Create specific green criteria to guide all new infrastructure projects & tax construction projects that don't meet sustainability standards.
- Look at paradigms & systems, research & invest in green/circular economy models that include natural capital.
- Design buildings & infrastructure to be resilient to flooding.

- Require net zero emissions for existing infrastructure.
- Require storm water capture for new construction.
- Separate sewer from storm drains to lower load on water purification and reuse storm water.

B. Provide Funding

- Create a carbon tax to fund green infrastructure and training.
- Create revolving loan fund for green infrastructure projects that school districts, municipalities, etc. can tap to cover cost of build out to be repaid by savings gained.
- Invest in mass transit, including subways and high-speed rail.
- Invest in the construction of maintenance and construction facility for offshore wind farms and service ports. Make MA first, thus providing ongoing infrastructure project with long-term jobs.
- Expand street-level EV charging funded by parking fees.
- Invest in bike infrastructure.
- Open financing for deep energy retrofits at the state level.

C. Provide the Workforce

- Create a state-wide version of “Peace Corps” to send volunteers into communities to lead green infrastructure projects for 1-2 years.
- Hire planners, and people to execute the plans, for climate change resilient infrastructure (including flood resilience, riparian buffers).
- Hire 5 new technical analysts at the MA Board of Building Regulation and Standards to formulate Net Zero Building Code to assure that all new buildings in Massachusetts are Net Zero.

D. Provide Incentives

- Reward “new engineering” that combines gray and green infrastructure.
- Create accurate pricing of climate insurance to begin shifting where and how we build.
- Examine zoning and other regulatory codes to see where they incentivize inefficiency / resource use – redirect effort toward clean infrastructure.
- Expand support for renters to improve energy efficiency of their units. Create incentives for landlords to invest in energy efficiency and renewables.

E. Create More Sustainable and Affordable Housing

1. Policy

- Develop green standards for rental property and subsidized housing, including solar power, efficient heating and cooling, green space and gardens, facilities for bicycles, and energy efficient windows.
- Provide affordable housing walk-able communities with green spaces.

2. Deploy Technology

- Adopt better energy efficiency and clean energy programs for multi-family housing that also improves living conditions.
- Replace inefficient heating in public housing (where people open windows because of blasting heat) so heating/cooling is controlled.
- Use teams to insulate and seal windows in low-income housing, including providing materials.
- Install shades for temperature control in public housing.
- De-lead all housing.
- Build net zero or net positive buildings /model passive house.

3. Provide Incentives

- Subsidize home energy efficiency upgrades.
- Subsidize roof repair in older residential housing.

F. Other

- Repurpose old buildings for eco-affordable housing.
- Use Green Chemistry to focus on creating sustainable building products.
- Gather clear data on energy operating costs of residential and commercial real estate (Harvard & MIT could lead) to force energy efficiency into existing buildings.
- Electrify trains and expand into old train lines – tracks still exist.
- Improve drinking water quality in public schools.
- Create rain gardens and bring awareness to water conservation.

III. GROW THE NUMBER OF GREEN JOBS

A. Provide Incentives

- Provide a tax incentive for companies creating green jobs.
- Adopt roles like composter, food recovery and other non-profit run jobs as green jobs funded by city/state.
- Incentivize green businesses.
- Subsidize cooperative businesses.
- Hold a state-wide Green New Deal competition for for-profit companies.
- Create a tax credit for green jobs creation (after first defining green jobs).
- Forgive student debt for those who commit to green jobs for a number of years TBD.
- Subsidize / incentivize costs of training / retraining.
- Provide tuition incentives for those who study environmental science / green job skills.

B. Create New Jobs

- Create green jobs mentoring program to link high school, college and grad students with clean tech companies.
- Create more jobs in recycling, including of building materials, including windows.

- Restore coastal wetlands– planting sea grass, etc.
- Create an ongoing job corps for solar and insulation installation.
- Expand AmeriCorps to offer jobs.
- Create a new Civilian Conservation Corps to reclaim unused or under-utilized land in MA to plant high carbon sequestering trees & plants as well as perform other needed green jobs. It should include jobs for youth, skills training, living wage, and workforce development.
- Grow union support for green construction including retraining.
- Manufacture green products including renewable energy products.
- Clean up the ocean.
- Create a massive deep energy retrofit program for MA older housing stock.
- Find models to share sustainability functions between small businesses.
- Create municipal jobs to support the conversion of grass lawns to meadow.
- Monitor landfills for animals.

C. Other

- Create an evaluation framework for green jobs.
- Ask what skills are needed/ are missing at the policy development table. Take a systems approach and involve a wide cross-section of representation.
- Address the lack of labor protection in the gig economy and for agriculture workers.
- Change the very definition of work: seeing it as a cooperative and healthy task that satisfies. Jobs that people can feel proud/good about.
- Convene a series of listening and planning discussions across all sectors, small business, low-income constituents, advocacy groups to plan 500,000 green jobs by 2030.

IV. CREATE A JUST TRANSITION

A. Prioritize Environment Justice Communities in all Efforts

1. Provide Funding and Assistance

- Require 25% of government contract jobs be given to residents of EJ communities.
- Mirror the state’s cannabis model – identify communities with greatest impact and give them advantages first.
- Provide EJ communities with \$1000 per capita stipends for free childcare and transportation to 3-month community charettes to design their EJ dream communities.
- Provide incentives for businesses that can have a positive impact on environmental justice.
- Have the State purchase low-income properties and lease them back to former owners, convert to buffer if property is flooded.
- Provide grants for minority –owned companies in clean tech.
- Provide refuge for climate refugees.

- Provide restorative justice – subsidize training for ex-cons to participate in trade training and green jobs.
- Provide access to healthy food. Develop urban farms & get more people connected to each other & the environment. Buy land to expand what’s possible.
- Subsidize heat and air conditioning for low-income communities.
- Give companies within impacted communities preferential treatment for green investment.
- Determine social impact of past and future fossil fuel plants on local communities, implement carbon tax and pay reparations in the form of restorative ecological projects.
- Create minority and women-owned business requirements for new housing and business development.
- Fund the retreat of vulnerable coastal communities (prioritizing environmental justice).
- Provide 2 years of wages to anyone who loses job due to decarbonization with pensions for those over 55.
- Invest in local businesses and diverse business owners.
- Provide access to equal healthcare.
- Subsidize electric vehicle purchase or lease for low-income individuals.
- Reverse redline mortgage support as a form of reparation.

2. Upgrade Infrastructure

- Prioritize construction of EV charging to EJ communities; scale EV incentive by income.
- Stabilize areas as community infrastructure is improved, to protect neighborhoods from climate change (sea walls, for example).
- Restore brownfields typically found near EJ communities.
- Provide WIFI – fiber for Western Mass.
- Detoxify / retrofit public schools.

3. Protect Air and Water Quality

- Ensure air and water quality across all communities.
- Make sure all schools have potable water (may mean infrastructure upgrade for new pipes).
- Demand transparency regarding water quality in rivers / ocean /ponds for health & well-being from state/municipal government and industry.

4. Other

- Follow the Green Justice Coalition Check-List.
- Use participatory budgeting.
- Include all communities in decision-making that affects them.

- Name and connect groups that could work on common goals across social-economic boundaries.
- Expand shared ownership opportunities for renewable energy / housing efficiency – community solar, etc.
- Create Climate Resiliency Centers in EJ neighborhoods– places for people to go during flooding, power outages, hurricane damage. Can be in public buildings, something people can walk to. Partner with neighborhood organizations to provide awareness. Can also be a center to train for jobs in clean tech.
- Provide public access to legal counsel.
- End gerrymandering, redistrict for fair representation.
- Provide health insurance and childcare to allow all to participate in the green transformation.
- Bring EJ impacted people to the table; develop solutions in collaboration with communities.

B. Preserve and Expand Green Space

- Plant more trees in low-income neighborhoods/ plant trees all over Franklin Park Golf Course.
- Equalize green space and tree coverage in low income areas (e.g. Dorchester) with high income areas (e.g. Cambridge).
- Ensure that low-income communities do not carry an excessive burden with respect to infrastructure and eminent domain. Share access to public transit with green space.
- Provide easy access to green space for everyone. Provide awareness to citizens, starting at the state, town or neighborhood level.
- Ensure access to all waterways and waterfronts for all.
- Ensure good walkways and other neighborhood infrastructure that promotes walking & exercise.

V. COMMUNICATE, EDUCATE AND TRAIN IN MULTIPLE LANGUAGES

A. Increase Environmental and Equity Literacy; Skills Training for a Green and Just Massachusetts

1. Through Schools

- Create required primary and secondary school curricula that includes climate change, Zero Waste, environment and conservation, citizen action and responsibility.
- Use environmental consultants to work with schools, and work places to drive sustainability initiative, teach recycling, composting, and energy efficiencies.
- Develop programs where kids share information with each other and with parents and others.

- Teach kids urban agriculture techniques – building raised beds, etc. (Green Bronx Machine model).
- Create green jobs programs in vocational schools and create more relevant university majors.
- Reorganize higher Ed to prepare for new technologies.

2. To the General Public

- Provide basics of climate science for all citizens.
- Provide training in energy conservation for all residents.
- Provide regular forums to educate the “unknowing” with specific examples of inequitable impact.
- Teach with a global perspective regarding everyday issues – e.g., Story of Stuff about where things come from, where they go and their lifecycle.
- Teach the idea of limits to growth, counteract sprawl and waste, community economics.
- Build awareness of Environmental Justice issues – examples of Flint, MI & gas explosions in Lawrence & Andover MA- still not all resettled, no compensation.
- Provide access to formal and informal learning – using MOOCs (Massive Online Open Courses) that are free and already established.
- Fund public education.
- Provide more driver and bike education.
- Create a team of green volunteers/advocacy groups to go into schools, museums & park services to explain renewable energy & climate change clearly to children, parents, young adults.
- Provide education about solar energy resources to people who face barriers to entry.
- Educate people about safe food products and product safety in general (and safe disposal of dangerous products from electronics to paints, to chemicals, to CFLs).
- Educate people about the impacts of what we eat, what we wear, how we travel.
- Provide education around changing values how we live, work, eat, play.
- Hold workshops on sequestering carbon, including composting, no till farming, covering the ground, protecting soil.
- Educate, educate, educate – we don’t know what we don’t know.
- Teach people how to reduce carbon impacts from food: eating seasonally, how (and why) to avoid food waste, avoiding certain kinds of animal products; use cooking shows as places to educate.
- Teach concepts of lifecycle, embedded energy for all products/service.
- Training in policy campaigns and advocacy – how they work / how to get involved.

3. Train for Green Careers

- Provide work experience through internships / volunteer positions.
- Create a UTEC-like organization to train at risk youth in green trades.

- Provide good access to job training for local clean energy jobs to build energy infrastructure, such as solar installation, geo thermal and heat pipes.
- Retrain workers in green construction, such as building passive houses.
- Provide free training for displaced workers such as coal, fracking, oil, gas.
- Provide free job trainings for communities impacted by pollution and climate change.
- Train and create apprenticeships for Sustainability Global Health educators.
- Link school/education to industry.
- Provide access to career counseling using systems/experimental methods/insights at the grassroots / school level.

B. Listen and Organize

- Listen when NIMBY concerns arise and bring those concerns to planning and decision-making processes.
- Listen to the Environmental Justice community about what is just to them.
- Make community input more accessible by providing interpreters, childcare, flexible hours, easily accessible events, communicating and adhering to process.
- No neighborhood left behind, don't leave out community organizing to gain input.
- Enable communications avenues with easy tech solutions (affordable access for all).
- Organize the community for strategic planning.