

City of Milwaukie Climate Action Plan Memo – Initial List of Prioritized Mitigation and Adaptation Actions

To: Peter Passarelli, Public Works Director, City of Milwaukie

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Date: April 24th, 2018

In February and March of 2018, Good Company and Envirolssues facilitated a series of 6 workshops that covered focus areas for climate mitigation and adaptation planning. Each workshop had the City's key implementation partners invited to ensure a more complete picture than what the City directly controls. At the end of each meeting, the partners and City staff voted for the priority actions for scaling and characterizing.

As the consultant team works with the technical leads for each action, the actions may be modified to be more accurate in wording or in description. Some of the prioritized actions fit better in other focus areas and were moved. Therefore, the actions listed below may be revised somewhat before being published into the final Climate Action Plan.

FLEET AND FUELS

Mitigation

Votes	Actions
7	Incentivize multi-family complexes to install EV charging infrastructure
6	Incentivize workplace charging in parking lots
4	(Light fleet) Identify and replace least efficient vehicles with most efficient vehicles (Heavy duty fleet) Target diesel fleet for conversion to low carbon fuels
4	(Light fleet) Align and justify fleet use with true needs
4	Partner with waste haulers, school district and waste water agency on fleet transition
3	Outreach efforts to encourage shift to EV <ul style="list-style-type: none"> • “Ride and drive” events • Information sharing through farmers' markets, business organizations
3	Micro-transit from park-and-ride or light rail station to charging stations

Adaptation

Votes	Actions
3	Review location of fleet yard and fuel storage to examine flood vulnerability. Look at fuel movement during flood conditions and diversify fuel sources in terms of fuel transport into Milwaukie to prepare for climate event-related import challenges.
1	Implement intergovernmental agreements or MOUs with other agencies for fleet support in emergencies (e.g. large-scale debris removal)

LAND USE AND TRANSPORTATION PLANNING

Mitigation

Votes	Actions
9	Implement a Transportation Management Agency (TMA) combined with Work with Clackamas County to create a better vision for transit serving Clackamas County communities
6	Implement "EV ready" building codes or zoning regulations. Opportunities could include: <ul style="list-style-type: none"> • Providing incentives through zoning • Implementing public area requirements
5	Lower parking ratios near high capacity corridors
5	Implement variable system development charges (consider square footage, etc.) to encourage ADUs
5	Partner with Metro and TriMet to increase bus service, particularly to underserved employment areas (e.g. micro-transit from major transit stations)
5	Incentivize employers to encourage active transportation (bike and ped)
4	Implement parking pricing in downtown
4	Implement a "fee in lieu of" for areas outside of pedestrian corridors that do not need infrastructure improvements and redirect funds to corridors that do
4	Promote "neighborhood hubs" through Comprehensive Plan policies

Adaptation

Votes	Actions
7	Update flood plain maps with local group coordination/funding
6	Acquire flooded or flood-prone properties for flood storage (Reclaim riparian areas)
2	Plan for future employment land considering flood risk, natural resources
1	Provide incentives to increase flood storage capacity

BUILDING ENERGY – SOURCING AND EFFICIENCY

Mitigation

Votes	Actions
5	Community solar project for those without rooftop exposure
5	Advocate for, participate in code updates at the state level (energy as well as seismic)
5	Implement a comprehensive sustainability plan for Clackamas County
4	Adopt a commercial and residential disclosure program of energy scores
4	Create distributed energy systems (rooftop solar)
3	Implement the PACE (Property Assessment for Clean Energy) program in Milwaukie
3	Multifamily energy efficiency (equity)

Adaptation

Votes	Actions
4	Solar, battery storage, and micro-grids for resilience in weather events

MATERIALS – PURCHASING, USE AND RECOVERY

Mitigation

Votes	Actions
6	Repair/replace prior to purchasing or construction
6	Education around food waste and prevention Multi-family Fairs and festivals Test kitchens Farmers markets Community challenges/pledge Commercial-focus Vegetarian cooking demonstrations Awareness campaigns about food carbon emissions in schools
6	Showcase best practices and promote sustainable services through demonstration project
4	Use less impactful cement alternatives
3	Require deconstruction and/or delay demolition purposes for a period of time to encourage deconstruction
2	Improve integration between wastewater system planning with solid waste system planning (consider revising code/regulations related to curbside food waste, garbage disposals, etc.)

Adaptation

Votes	Actions
1	Use mulch and compost in City landscaping and implement a compost-to-residential distribution system

NATURAL RESOURCES

Mitigation

None

Adaptation

Votes	Actions
9	Code adjustment to require clean, on-site filtration and develop larger storage ("stormwater galleries under parking lots," "end of road network," and creek-side bank widening/storage) <ul style="list-style-type: none"> • Must consider infiltration/filtering as well
5	Develop new stormwater master plan <ul style="list-style-type: none"> • Public acceptance/buy-in important • Should consider up-stream impacts and partner with other municipalities
5	Well-head protection <ul style="list-style-type: none"> • Introduce more monitoring facilities
4	Identify sewer and water mains most vulnerable to flooding
4	Review water sourcing agreements <ul style="list-style-type: none"> • Determine need for a fire management plan for drinking water (Other community's losing their water and using Milwaukie wellfields)
4	Develop a long-term potable re-use plan
4	Develop Program with Tree Board (consolidated from below) <ul style="list-style-type: none"> • Increase canopy coverage • Integrate canopy planning with street planning efforts • Integrate canopy planning with building codes • Multi-family tree requirements • Mitigate development impacts (replacing mature trees with new plantings not sufficient)

PUBLIC HEALTH AND EMERGENCY PREPAREDNESS

Mitigation

Votes	Actions
2	Explore creative options for right-sizing first responder response
1	Fund/support community outreach through the fire department

Adaptation

Votes	Actions
9	Work with FEMA on consultation related to flood plain analysis Note: This is a top priority identified in the Land Use and Transportation Planning and Natural Resources
5	Identify plans for cooling and air quality relief centers <ul style="list-style-type: none"> • Align with flood sheltering plans
4	Incentivize or promote more sophisticated home air filtration systems <ul style="list-style-type: none"> • Through building codes • Incentives • Community bulk buy