



Work Session

WS

Milwaukie City Council

COUNCIL WORK SESSION

City Hall Conference Room
10722 SE Main Street
www.milwaukieoregon.gov

AGENDA

APRIL 3, 2018

			Page #
1.	4:00 p.m.	Milwaukie Youth Empowerment Coalition Update Presenter: Brian McCready, Clackamas County	6
2.	4:15 p.m.	Council Goal Update: Climate Action Plan (CAP) Staff: Peter Passarelli, Public Works Director	8
3.	4:45 p.m.	Downtown Ornamental Streetlights Conversion Staff: Peter Passarelli, Public Works Director	10
4.	5:00 p.m.	Adjourn	

EXECUTIVE SESSION

Upon adjournment of the Work Session, the Council will meet in Executive Session pursuant to Oregon Revised Statute (ORS) 192.660(2)(e) to deliberate with persons designated by the governing body to negotiate real property transactions.

Americans with Disabilities Act (ADA) Notice

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Executive Sessions

The City Council may meet in Executive Session pursuant to ORS 192.660(2); all discussions are confidential and may not be disclosed; news media representatives may attend but may not disclose any information discussed. Executive Sessions may not be held for the purpose of taking final actions or making final decisions and are closed to the public.

Meeting Information

Times listed for each Agenda Item are approximate; actual times for each item may vary. Council may not take formal action in Study or Work Sessions. Please silence mobile devices during the meeting.



COUNCIL WORK SESSION

City Hall Conference Room
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MINUTES

APRIL 3, 2018

Mayor Mark Gamba called the Council meeting to order at 4:00 p.m.

Present: Council President Lisa Batey; Councilors Angel Falconer, Wilda Parks, Shane Abma

Staff: Assistant City Manager Kelly Brooks
City Manager Ann Ober
City Recorder Scott Stauffer

Community Development Director Alma Flores
Police Chief Steve Bartol
Public Works Director Peter Passarelli

1. Milwaukie Youth Empowerment Coalition Update

Chief Bartol introduced Brian McCrady, Clackamas County Health, Housing, and Human Services Department, and Molly Martinez, Northwest Family Services.

Mr. McCrady and **Ms. Martinez** provided background on the Coalition and highlighted their recent events and programs. They explained the Coalition's work to highlight positive community norms and address drug use misconceptions.

Mr. McCrady provided an update on restoration work done at Dogwood Park by the Coalition in partnership with the North Clackamas Parks & Recreation District (NCPRD). The group discussed planned construction work on Main Street near Dogwood Park.

Mayor Gamba, **Ms. Martinez**, and **Mr. McCrady** discussed factors that lead to students using drugs and drinking alcohol. **Mr. McCrady** discussed the importance of creating connections with students and the impact of mentors.

2. Council Goal Update: Climate Action Plan (CAP)

Mr. Passarelli provided an update on the CAP. He reported that the first Climate Action Plan Committee (CAPC) meeting and CAP community engagement workshops had been held. The group discussed the goals and topics had been discussed and given priority by workshop attendees. **Mr. Passarelli** noted upcoming CAP events and noted that the goal was to present the CAP for Council consideration in July 2018.

The group discussed the priorities that were highlighted at CAPC meetings. **Ms. Ober** believed the CAP process was a good method to understand the community's priorities. The group discussed funding CAP priorities in relation to other City goals.

3. Downtown Ornamental Streetlights Conversion

Mr. Passarelli reported that the City was looking at replacing Downtown streetlights with LED lights. He explained that Portland General Electric (PGE) would approve the type of LED fixtures to be used, which would be based on design input from the City.

The group discussed the effects of different street lights colors. **Mayor Gamba** noted that the Audubon Society had reported that white lights tended to cause problems for birds. He proposed warmer, full-spectrum, LED, and "dark sky" friendly lights. **Ms. Ober** summarized that staff would look at warmer color options.

Mayor Gamba asked if the Design and Landmarks Committee (DLC) had reviewed the design options. **Mr. Passarelli** and the group noted that since the posts and the general style of the lamps would be the same, it was under staff purview.

The group noted the importance of having consistent lamp styles and bulb types in Downtown. **Council President Batey** discussed the potential for acquiring lighting control mechanisms for the new plaza and Milwaukie Bay Park.

Councilor Abma asked if PGE ownership of the poles would affect the City's ability to hang flower baskets or banners. He also asked about pole maintenance. **Mr. Passarelli** reported that PGE had no issues with hanging baskets on the poles and he explained the how PGE had come to take ownership of the poles as they were replaced. **Mayor Gamba** explained previous conversations about the possibility of City-owned poles. He noted that previous Councilors and City Managers had decided not to own the poles due to up-front cost concerns. **Council President Batey** noted that First Friday and the Milwaukie Sunday Farmers Market had banners hung on the poles. **Ms. Ober** noted that staff had agreements with PGE that confirmed the City would be able to hang flower baskets or banners from the poles. She also noted that PGE has been quick to respond to pole maintenance issues in the past.

Mayor Gamba asked about the advantage of PGE owning the poles versus the City. **Ms. Ober** provided background on why staff was proposing this direction and the group noted benefits of moving forward with the proposed plan for PGE to own the poles and to install LED lights.

Mayor Gamba announced that upon adjournment of the Work Session, Council would convene in Executive Session pursuant to Oregon Revised Statute (ORS) 192.660(2)(e) to deliberate with persons designated by the governing body to negotiate real property transactions.

Mayor Gamba adjourned the Work Session at 5:24 p.m.

Respectfully submitted,



Amy Aschenbrenner, Administrative Specialist II



CITY OF MILWAUKIE

Memorandum

To: City Council
From: Alma Flores, Community Development Director
CC: Ann Ober, City Manager
Date: March 29, 2018
Re: Community Development Department Projects - City Council Update for April 3, 2018

Community Development/Housing/Economic Development

- Development of the Housing Affordability Strategic Plan
- Milwaukie Marketplace—former Haggen's site
- Coho Point at Kellogg Creek Development
- Harrison and Main Street Development
- Downtown Milwaukie Parking Study
- South Downtown Area
- Downtown Wayfinding/DT Walking Map Implementation
- Cottage Cluster Housing Feasibility Study
- Vertical Housing Program
- Hillside Manor Master Planning Process

Engineering

- Private Development—Public Improvements
- Washington Street Storm and Main Street Water Quality
- Kronberg Park Multi-Use Walkway
- 2017 Clay Sewer Pipe Replacement
- Main Street Crossing Lowering
- Washington Street Reconstruction

Planning

- Comprehensive Plan Update
- Land Use/Development Review
 - City Council
 - Planning Commission
- Design and Landmarks Committee

Building

- February in review to come

Community Development/Economic Development

Development of the Housing Affordability Strategic Plan (HASP)

- The development of the Housing Affordability Strategic Plan is well underway. Staff and consultants are prepping for the focus groups that will be held with tenants, landlords, developers, and homeowners. If you know of folks who would like to participate, please contact Liza Morehead at more@pdx.edu.

Milwaukie Marketplace—former Haggen's site

- The Community Development Director sent out a recruitment letter with a marketing flyer of the site and location to 21 grocers from around the region and nation. We have heard from two prospective tenants one of which expressed no interest in the site. We are actively pursuing the other lead. We were informed that the active lead is no longer pursuing growth in the region. We will be pursuing another grocer in the coming months.

Coho Point at Kellogg Creek Development

- The Development Manager has been in negotiations with the developer and has met with other city staff to discuss floodplain, transportation access and other constraints. Bi Weekly meetings have been scheduled with internal staff for coordination and collaboration needs.

Harrison and Main Street Development

- Staff have been working with Metro to move forward with the RFQ process for the Harrison and Main street project. Staff will be moving forward with a surplus property action, and resolution adopting the goals for the site on March 20th.

Downtown Milwaukie Parking Study

- A downtown Milwaukie parking study is underway. The consultant has conducted a parking inventory of the downtown, and are scheduled to brief Council on April 10th at a study session.

South Downtown Area

- Staff are working on developing a project website and have been doing outreach to businesses, including attending the most recent Historic Milwaukie NDA to talk about the project and timing with the community. Staff are waiting to launch the website until the transportation related bond discussions are complete.

Downtown Wayfinding/Downtown Walking Map – Implementation

- The final sign designs have been approved by staff and the project schedule has been updated accordingly. Fabrication of the signs is beginning and staff is scheduling an interim inspection of the fabrication for early May. Delivery of the signs is expected to be the week of July 9th. A downtown walking map has been developed and reviewed by the the Downtown Milwaukie Business Association

Cottage Cluster Housing Feasibility Study

- The purpose of the study is to conduct financial feasibility analysis and preliminary site design work for up to four sites to assess their potential to provide cottage cluster development in Milwaukie. Cascadia Partners has been selected as the consultant team. Contract negotiations final and a kick-off meeting is scheduled for April 3.

Vertical Housing Program

- The first vertical housing program application has been received from Guardian Real Estate Services LLC for the Axeltree project proposed for the corner of Washington St and Main St. The project has received preliminary confirmation of its eligibility by the Community Development Director.

Hillside Manor Master Planning Process

The City of Milwaukie was a partner in the grant application to Metro for the Hillside Master Plan, submitted in June of 2017. Metro announced the grant award for the project in November 2017. The Hillside Manor and Park community is comprised of 200 units of public housing located on 16 acres in Milwaukie on SE 32nd Avenue. The Housing Authority of Clackamas County (HACC) has launched revitalization efforts for the site that include two phases:

- 1) Rehabilitation of the 9-story tower (Hillside Manor)
- 2) Master Planning for the redevelopment of the site (Hillside Park)

HACC staff is about to kick-off a planning process with the Milwaukie community around the Master Planning process and will be speaking about that timeline and next steps at City council

on April 3.

Engineering

Private Development—Public Improvements

- Mission Park Subdivision – 14-lot subdivision near 52nd on the South side of King Rd. Under construction now.
- Eagle St & 21st Ave development – Eagle St is being extended east to provide access to 3 new houses fronting Eagle St and 21st Ave. Under construction now.
- Kiel Crossing subdivision – 19-lot subdivision at intersection of 42nd Ave and Railroad Ave. Construction underway.
- Silas heights Subdivision – 11-lot subdivision that will connect Maplehurst Rd to the end of 66th Ave. Plans under review.
- Rosebank Estates subdivision – 4-lot subdivision that will extend Melody Ln from 42nd Ave. Plans under review
- 22nd Ave & Wren St – New single-family house. Plans under review
- Wichita Park improvements (frontage and park structures) – plans under review
- 5158 SE Mullen St Improvements – frontage improvements that will extend Mullen St east from 51st Ave for 180 ft. Plans under review

Permitting and Inspections – February 2018

- Right-of-Way Permits Issued – 7
- Utility Permits Issued – 25
- Inspections Completed – 23

Kronberg Park Multi-Use Walkway

- Consultant is moving forward with the 60% design drawings.

2017 Clay Sewer Pipe Replacement

- Design drawings are completed.

Main Street Crossing Lowering

- 90% design drawings were approved by UPRR.

Washington Street Storm and Main Street Water Quality

- 90% design drawings are currently being reviewed.

Washington Street Reconstruction

- 60% design drawings are almost complete.

42nd Avenue Street Rehabilitation

- Final pavement is complete, permeant stripping and punch list will be completed in April depending on weather.

Meek Stormwater Improvements

- 90% design drawings are currently being reviewed and working on property and easement purchases for the construction of the project.

Kellogg Creek Bridge

- The bridge deck is scheduled to be poured on Friday March 30th. The existing bridge will be closed for this pour. The project is on schedule to be completed this summer.

Planning

Comprehensive Plan Update

- The third meeting of the Comprehensive Plan Advisory Council (CPAC) was held on March

- 5 at the Public Safety Building. A town hall is planned for April 4 at the Waldorf School.
- Staff has selected Angelo Planning Group to provide consultant assistance with policy analysis and an exploration of the “neighborhood hub” concept that is featured prominently in the Community Vision.

Land Use/Development Review¹

- City Council Review
 - ZA-2017-003; CPA-2017-002 – North Milwaukie Industrial Area Plan and Code Amendments – the third public hearing before City Council was held on March 6. The discussion and limited staff testimony focused on the proposal for a new mixed use/residential overlay for the area south of Millport and west of McLoughlin (including the Mill Ends Store site). The hearing was continued to April 17.
- Planning Commission Review
 - VR-2017-013 – On February 13th, the Planning Commission approved a variance to allow a residential off-street parking space to remain within the required front yard setback. The property in question is 5047 SE Jackson St.
 - CSU-2017-010 – On February 27th, the Planning Commission approved a major modification of the Community Service Use (CSU) for Rowe Middle School. The project involves minor additions to the school building and improvements and changes to the athletic fields to accommodate some high school sports activities.
 - CSU-2017-007 (master file) – On March 13th, the Planning Commission approved a major modification of the CSU for Milwaukie High School. The project includes demolition and replacement of the main classroom building as well as construction of a new parking lot. Temporary classrooms will be located on the football field for the duration of the 2-year project.
 - CPA-2018-001 – The City is the applicant for this Type V application for a Comprehensive Plan text amendment to remove the Scott Park Master Plan as an ancillary document to the Comprehensive Plan. This application is related to the proposed Ledding Library reconstruction project. The public hearing with the Planning Commission is scheduled for March 27, 2018.
 - CSU-2018-002 (master file) – The Type III Downtown Design Review application to allow reconstruction of the Ledding Library was reviewed by the Design and Landmarks Committee on March 5th. The recommendation to the Planning Commission is to approve the applications. The public hearing with the Planning Commission for the Type III Community Service Use, Natural Resources Review, Downtown Design Review and a Type II Parking Modification is scheduled for April 10, 2018.
 - CSU-2018-001 (master file) – The School District's Type III application for a major modification of the CSU for Milwaukie High School's Lake Rd athletic fields has been deemed complete. The project involves reconfiguration of and improvements to the fields, including installation of field lighting and minor improvements to the JV softball field at the adjacent Milwaukie Elementary School site. The public hearing with the Planning Commission is scheduled for April 24, 2018.
 - ZA-2018-001 – The City is the applicant for this Type V application for “housekeeping” code amendments. The public hearing with the Planning Commission is scheduled for May 8, 2018.
 - VR-2018-002 (master file) – Type III application for the proposal for a 2-story, 24.6 ft tall 3-

¹ Only those land use applications requiring public notice are listed here.

door garage with an Accessory Dwelling Unit (ADU) on the 2nd floor at 10565 SE 23rd Ave. Variance requests are proposed for the structure footprint and front yard setback. The Planning Commission hearing is scheduled for April 24, 2018. Referrals have been sent to the appropriate NDA, organizations, and department heads.

- CU-2018-001 – Type III application to convert one unit in a duplex to a Vacation Rental, which is a conditional use in the R-7 zone. The Planning Commission hearing is scheduled for May 8, 2018.

Design and Landmarks Committee (DLC)

- On March 5, 2018, the DLC held a design review hearing on the Ledding Library project (see note for CSU-2018-002 above) and sent a recommendation of approval to the Planning Commission, with a few suggestions for minor adjustments. A small consultant team from SERA Architects is under contract to assist the group with its work to update the Downtown Design Guidelines and will kick off this assessment project at the DLC's next meeting on April 2nd.

Building

February summary of permits will be available in the next update.

Milwaukie Youth Empowerment Coalition

The Milwaukie Youth Empowerment Coalition goal is to reduce underage drinking by students in grade 6th – 12th

The following strategies will be implemented to help us achieve this goal:

- Support youth at risk of underage drinking
- Educate parents about the risks of underage drinking by creating a website link and providing talking tips for them to use with their children
- Implement Positive Community Norms programs in middle and high schools
- Change physical design to make parks more community and family friendly places
- Plan and implement peer resistance skills programs in middle and high school students.

To get involved contact:

Brian McCrady

Clackamas County Children, Youth and Families Division

(503) 650-5681

bmccrady@clackamas.us



Health, Housing
& Human Services
CLACKAMAS COUNTY
Prevention Coalition

PARTNERING AGENCIES

Cascadia

Clackamas County Children,
Youth and Families

Clackamas County Sheriff's
Office

Clackamas County Workforce

Milwaukie Police Department

Northwest Behavioral
Healthcare

PreventNet Community
Schools

Trillium Family Services

Vibrant Futures Coalition

Volunteers of America

Youth Move Oregon



PreventNet Community Schools System Overview

- Community school-based service system focused on prevention and early intervention
- Operate with funding from the State, drug/alcohol focused services supplemented by Behavioral Health/Health Authority
 - Non-profits also supplement programming through foundation and other grants
- Partnership between County agencies, schools, local non-profit organizations

PreventNet Sites Operate Across the County – currently in 8 middle schools and 2 high schools

- Canby School District – **Baker Prairie** Middle School
- Estacada School District – **Estacada** Jr. High
- Gladstone School District – **Kraxberger** Middle School
- Molalla River School District – **Molalla River** Middle School
- North Clackamas School District – **Alder Creek** Middle School, **Rowe** Middle School, **Milwaukie** High School, **New Urban** High School
- Oregon City School District – **Gardiner** Middle School
- Oregon Trail School District – **Cedar Ridge** Middle School

PreventNet Services

- Case coordination for at-risk and high risk youth referred by school counselors, teachers, principals
- Connecting youth and their families to needed services and/or resources
- Working with youth to set goals to improve academic performance, risk behaviors, and/or school attendance

PreventNet Academic and Prevention Activities

- After-school programs (homework help, clubs, Lego Robotics, sports/recreation, cooking classes, etc.)
- Boy's Council and Girl's Circle (evidence-based drug/alcohol other risk behavior prevention programming)
- Teen Intervene (evidence-based drug/alcohol early intervention)
- Red Ribbon
- Assemblies
- Anti-bullying
- Positive Social Norms
- PhotoVoice
- Peer Mentoring

- ★ FY 15/16, a total of **569 youth at risk for school failure and dropping out** were served at the 10 sites. Of those served, **88%** improved their grades, **78%** improved attendance, and **81%** improved behavior
- ★ Recommend additional investments (Youth Development Division) to improve school outcomes for youth

For more information contact Brian McCrady at (503) 650-5681 or bmccrady@clackamas.us

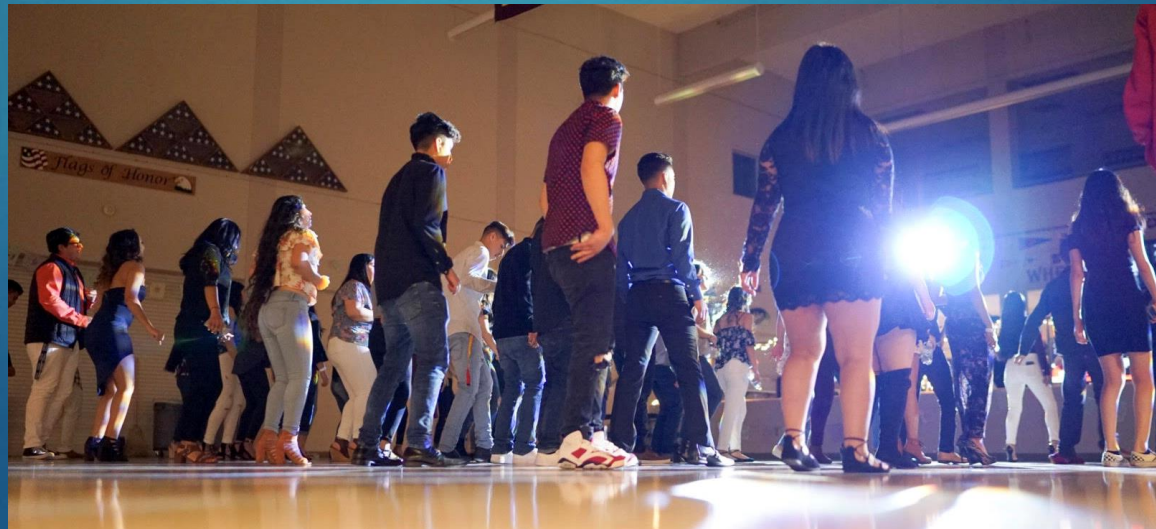
Milwaukie Youth Empowerment Coalition MYEC

**MIDDLE SCHOOL/HIGH
SCHOOL AND COMMUNITY
ENGAGEMENT**



**WS 1.
4/3/18
Presentation**

Live, Love, Baile!





PreventNet

Photo Voice



Summer Soccer Camps at Rowe and Timbers Game



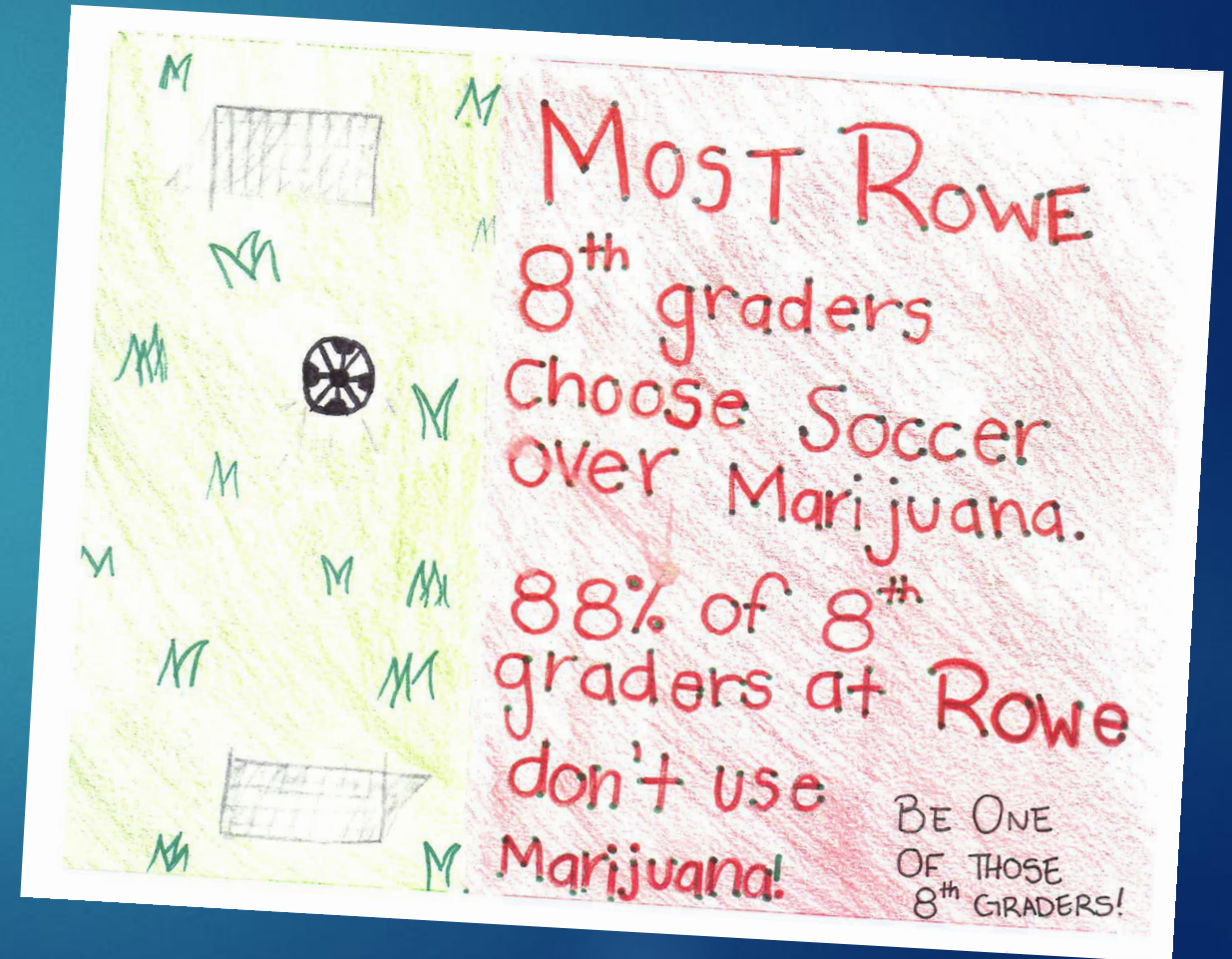


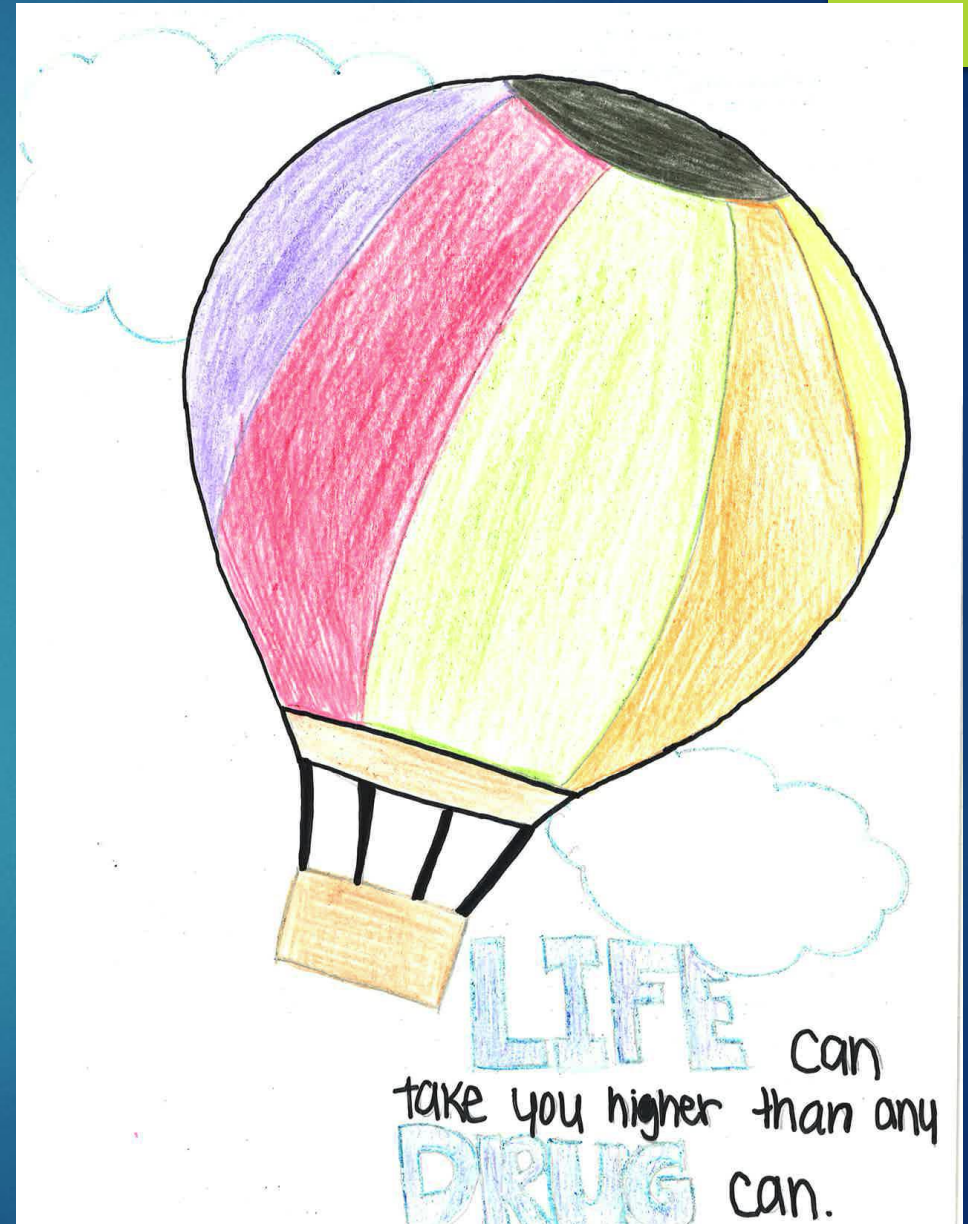
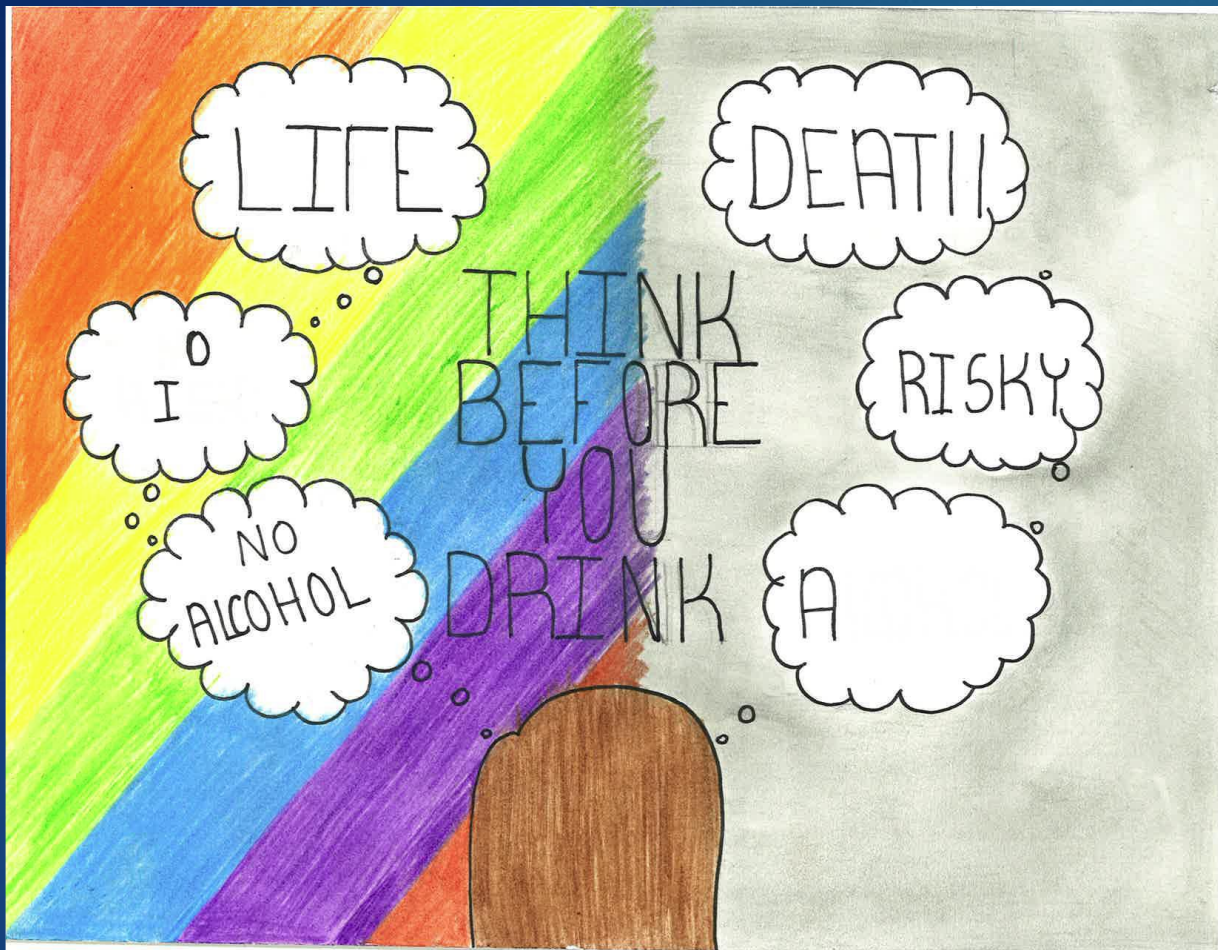
Oaks Park

Spring Break Basketball Camp



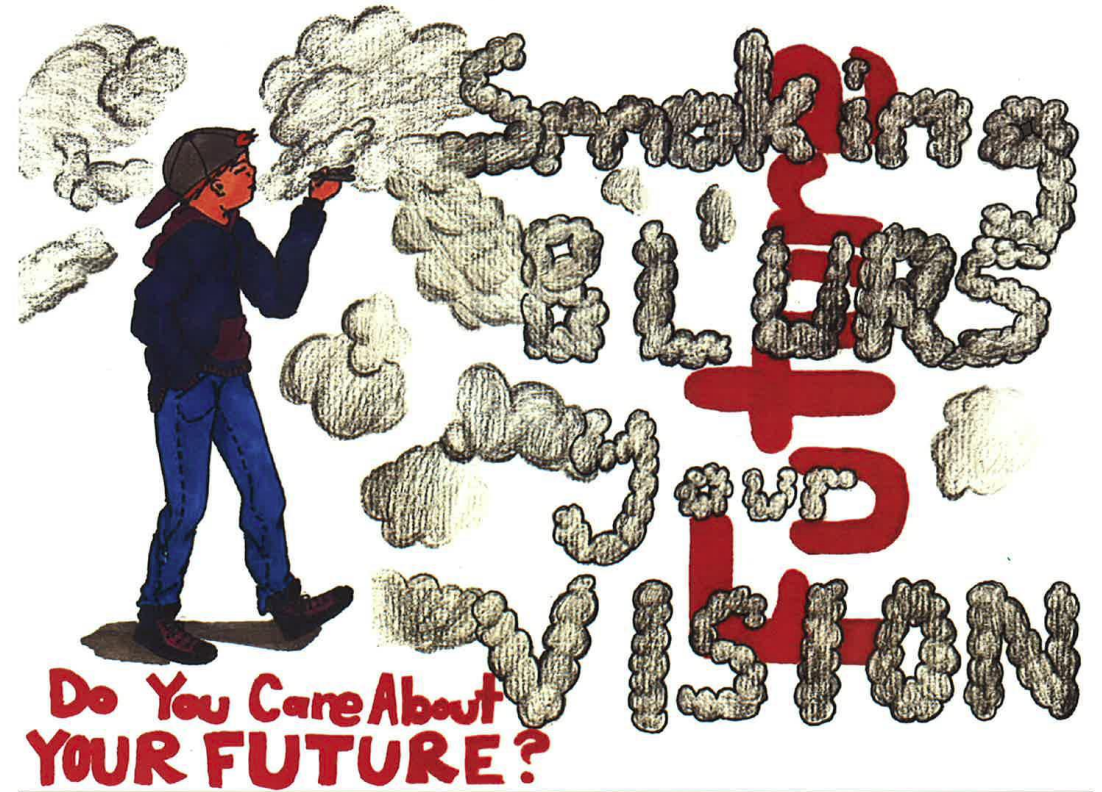
Positive Community Norms at Rowe Middle School and Rex Putnam High School





Drugs lock your
mind

Most choose freedom



Dogwood Park Restoration



Planting



In August of 2017 NCPRD and the MYEC cleared invasive blackberry and clematis from Dogwood Park. Everyone's hard work is already paying off. The park is much more open and inviting.

In February we planted native plants where we removed the weeds. NCPRD has purchased 85 bald-hip rose, Douglas spirea, snowberry, sword fern, and Oregon grape for this purpose. These plants were selected for their ability to stabilize the slope, provide wildlife habitat, and not grow so tall as to block views and create hiding spots.



For more information contact
Brian McCrady at (503) 650-5681
or bmccrady@Clackamas.us



COUNCIL STAFF REPORT

To: Mayor and City Council
Ann Ober, City Manager

Date Written: Mar. 22, 2018

Reviewed: Blanca Marston (as to form), Administrative Specialist

From: Peter Passarelli, Public Works Director

Subject: **Climate Action Plan Update**

ACTION REQUESTED

None

HISTORY OF PRIOR ACTIONS AND DISCUSSIONS

November 2, 2017 – Staff began working with Good Company developing the Climate Action Plan.

January 16, 2018 – Council appointed the Climate Action Plan Committee (CAPC) members.

(<https://www.milwaukieoregon.gov/sites/default/files/fileattachments/ordinance/85261/r3-2018.pdf>)

February 8, 2018 – The CAPC held its initial meeting.

(<https://www.milwaukieoregon.gov/sustainability/climate-action-plan-committee-meeting-1>)

February 13th, 15th, and March 20th and 21st 2018 – The City's Implementation Partner Workshops convened local stakeholders on relevant topics necessary in pursuit of the City's climate goals.

ANALYSIS

The City's ongoing climate action planning effort and subsequent public engagement has begun in earnest. The first CAPC meeting was held on February 8th, 2018 and covered Milwaukie's forecasted future physical conditions, our local climate change policy context, the community-wide greenhouse gas inventory, Milwaukie's demographics and relevant outreach, and the draft CAPC charter.

The Implementation Partner Workshops that were held in February and March brought together many Milwaukie's largest and/or most relevant climate change stakeholders to identify practical, necessary, and beneficial methods for climate change mitigation and adaptation. These workshops covered the following topics that will form the chapters of the Climate Action Plan; **Natural Resources, Building and Energy Efficiency, Fleets and Fuels, Materials Purchasing, Use and Recovery, Land Use and Transportation and Public Health and Emergency Preparedness**. These workshops helped our implementation partners understand the City's intent, learn about each other's concerns, plans, and approach to addressing climate change, and generally coordinate doable efforts for the CAP. From the CAPC meetings and Implementation Partner Workshops, Good Company will generate 48 selected mitigation actions, which will then be prioritized via

cost, efficacy, community uptake, co-benefits, etc. The CAPC will then review these proposed actions prior to Good Company's initial drafting of the CAP.

The Climate Action Project Team and the Comprehensive Plan Team have scheduled a joint Latino Community Engagement Focus Group to discuss both projects. The meeting will be held at City Hall from 4:00 -5:30 pm on April 2nd, 2018.

Upcoming Events:

City Council Meeting – May 8th – Mitigation Potential Discussion.

Climate Action Plan Committee Meeting # 2 Week of May 7-11th, 2018. In process of selecting final date.

Climate Action Plan Summit – May 31st, 2018. The community will be invited to learn about proposed mitigation strategies and share their ideas at this Climate Action Plan Summit.

CAPC Meeting #3 – First two weeks of June – Plan Review and Discussion.

CAPC Meeting #4 – First two weeks of July – Final Plan and Recommendations.

Climate Action Plan Adoption by City Council – Late July 2018.

BUDGET IMPACTS

N/A

WORKLOAD IMPACTS

The Climate Action Plan is a multidimensional process engaging City staff across a variety of departments and disciplines. The Implementation Partner Workshops were aimed to educate partners and determine initial local priorities for Milwaukie's climate change mitigation and adaptation. Relevant staff attended these workshops, provided ongoing input and data, and have been included in the climate action planning process. The Climate Action Plan is being coordinated with the Planning Department to ensure integration in the Comprehensive Plan Update.

COORDINATION, CONCURRENCE, OR DISSENT

N/A

STAFF RECOMMENDATION

N/A

ALTERNATIVES

N/A

ATTACHMENTS

None



Climate Action Plan

Milwaukie Climate Action Plan
Project Update

This document has been prepared to articulate and guide the role and operation of the Milwaukee Climate Action Plan Committee (CAPC).

PURPOSE

The purpose of the CAPC is to advise City staff and City Council in creating a community-driven Climate Action Plan, help shape community and stakeholder engagement for the process, review project materials and recommend a final plan to City Council. Committee members will help represent community interests in planning discussions, help share information with the Milwaukee community, and encourage community participation.

TERM

The CAPC is expected to meet three times between February 2018 and July 2018. This draft charter will be discussed and approved at the inaugural committee meeting on February 8, 2018.

OUTCOMES

The CAPC will seek to achieve the following outcomes:

- The delivery of a dynamic, realistic, iterative, and human-centered Climate Action Plan co-created with City staff and the community that respects Milwaukee's identity and focuses on preserving and improving long-term livability;
- The implementation of a stakeholder and community engagement process that reaches a broad cross-section of people who live and work in Milwaukee;
- The development of recommendations around climate priorities, actions, goals and objectives based on review of technical and scientific information.

The Climate Action Plan will be developed through an iterative process based on feedback and recommendations provided by committee members, potential implementation partners, and the Milwaukee community. The Climate Action Plan Committee will review and comment on technical papers as well as the draft plan. The committee serves an advisory role. Final adoption of the Climate Action Plan will require City Council approval.

MEMBERSHIP

The CAPC is comprised of 17 members, including two City Council liaisons, six appointed representatives of regional agencies and employers, and nine community members.

Should a member need to resign their membership from the group, they should do so by informing City staff in writing. At that time, staff may decide to fill the vacancy by offering the place to a different applicant or continue with current membership.



Date: February 8, 2018

Name	Interest
Shane Abma	City of Milwaukee – Council Liaison
Vincent Alvarez	Community Member
Brooke Berghlund	Utility
Linda Blue	Community Member
Shanna Brownstein	Utility
Patricia Cronin	Community Member
David Dugan	Large employer
Eric Freed	Community Member
Mark Gamba	City of Milwaukee – Mayor/Council Liaison
Mark Hilton	Community Member
Katharine Hyzy	Community Member
Britt McCoun	Community Member
Eben Polk	Clackamas County
Cindy Quintanilla	North Clackamas School District
Scott Stewart	Large Employer
Andy Taylor	Community Member
Yelena Voznyuk	Community Member

City staff

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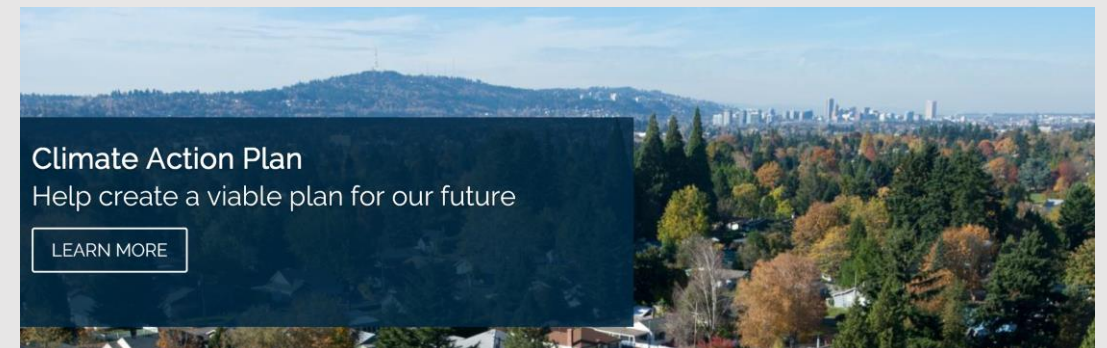
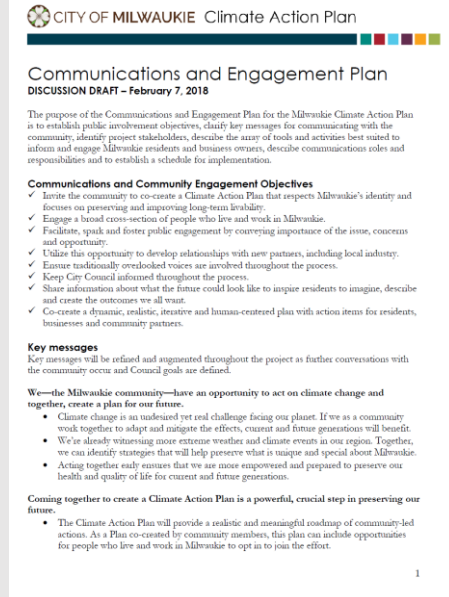
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Aaron Toney
Aaron.toney@goodcompany.com
541-341-4663 x 218

Climate Action Plan Committee

Community Engagement

- Climate Action Plan Committee
- Climate Action Plan Townhall Summit
- Joint Latino Community Engagement Focus Group with Comprehensive Plan
- Website



Climate Action Plan Educational Material Development

- Developed Educational Materials for Climate Action Plan Committee and Workshops
- Available on City Website

INTRODUCTION

This memo summarizes the results of the City of Milwaukee's 2016 Community Greenhouse Gas (GHG) Emissions Inventory. A community emissions inventory considers many sources of emissions generated by the activities of residents, businesses, and government operations within Milwaukee's city limits, including:

- **Building energy** use by residential, commercial, and industrial buildings and facilities represents a large source of community emissions. These emissions come from "tailpipes" during combustion of natural gas and fuels to generate electricity for use in Milwaukee.
- **Transportation**, and particularly on-road vehicle transportation, of passengers and freight also represents a large fraction of community emissions. Like building energy, transportation emissions are generated at the tailpipe as well as upstream during production of fuels.
- **Refrigerants** are lost from transportation and building cooling systems. Refrigerants are powerful global warming gases; therefore, relatively small losses have a large climate impact.
- **Solid waste disposal** in landfills produces methane, most of which is collected and used for energy, but a fraction leaks out to the atmosphere having a negative climate impact.
- **Water & wastewater energy** use during treatment of drinking water and energy use and process emissions during treatment wastewater post use.
- **City Operations** generate emissions for energy use in City-owned facilities and vehicles while providing services to the Milwaukee community.

The 2016 inventory will be used to inform development of Milwaukee's Climate Action Plan and will be updated periodically to track community progress towards its climate and energy goals. This memo also provides a 2035 Business-As-Usual Emissions Forecast, which estimates future emissions based on population growth and existing state and federal policy and programs to determine the scale of additional GHG reductions required to meet Milwaukee's climate goals.

2016 COMMUNITY GREENHOUSE GAS (GHG) EMISSIONS INVENTORY

In 2016, Milwaukee generated 262,574 MT CO₂e¹ of local, source-based emissions. For some of scale, this quantity of emissions is equivalent to the carbon sequestered annually by 300,000 acres of average U.S. forest – a land area about 200 times the size of the City of Milwaukee.

Milwaukee's source-based emissions² are similar in many ways to other communities around Oregon. These emissions shown in Figure 1 come primarily from combustion of natural gas and electricity use in buildings (figure segments) as well as gasoline and diesel combustion in vehicles to move people and goods (figure segment). Relatively small sources of emissions come from City government operations, landfill disposal of

¹ Metric tons of carbon dioxide equivalent (MT CO₂e) is the conventional unit for reporting greenhouse gas emissions.

² Source-based emissions inventories (as in geographic boundary inventories) include local emissions, within the City's boundaries, from energy use by homes, businesses, and vehicles as well as emissions from landfilling solid waste and wastewater treatment.

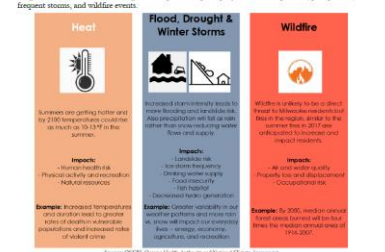
The Challenge and Opportunity of Our Generation

We—the Milwaukee community—have an opportunity to act to climate change and together, create a plan for our future. Climate change is an undeniable yet real and urgent challenge facing our planet that results from increased greenhouse gas emissions since the beginning of the industrial era. If we as a community work together to adapt and mitigate the effects, current and future generations will create a stronger local economy, take care of those that might be struggling, and create a more comfortable place to live.

We are already observing potential changes in Oregon's climate, including hotter temperatures, drought, wildfire smoke and less mountain snow. Understanding the areas of greatest risk gives us the opportunity to act rather than react to these changing conditions and helps to be as resilient as possible. The best available science informs us that global average temperature increases, must be capped at 2.0°C (3.6°F) to avoid "severe, pervasive and irreversible impacts for people and ecosystems" (IPCC, 2014). Therefore, moving to a carbon neutral economy (no more greenhouse gases) and society will not be enough, we must go further to ensure and sequester CO₂ that is already in our atmosphere.

How Will Milwaukee Change?

Climate studies by Oregon State's Oregon Climate Change Research Institute (OCCRI) and Oregon Health Authority outline the likely changes that we can expect in the Milwaukee and Willamette Valley area. These images outline some of these changes and impacts that principally focus on temperature, precipitation, more frequent storms, and wildfire events.



Source: OCCRI, Oregon Health Authority, and National Climate Assessment

Tot Perre Pessenti, City of Milwaukee
Freddie Justin Orenders, Associate justin.orenders@cityofmilwaukee.com
Justin Pessenti, Principal, justin.pessenti@cityofmilwaukee.com
Date: January 2018

1. POLICIES THAT SUPPORT CLIMATE ACTION PLAN

In our review, we assessed 30 plans for mission, goals, and the accompanying quantitative and qualitative information in the plans that align with the chapters of Milwaukee's CAP. These 30 plans come from 10 City of Milwaukee, 10 community and regional partners, and 10 state and federal level plans. The table on the next page outlines these plans and how they relate to the CAP.

For each of these plans, we included the key statements and areas that relate to the CAP. We summarized and managed the accompanying direct operational (each plan in a separate worksheet tab) as policies and regulations change at the City and other organizations.

- Some of these documents connect important vision and overarching practices (Milwaukee All Aboard) while others are focused on specific comprehensive policies or other laws. (Transportation System Plan, Water Master Plan). Select plans convey key messages that directly connect to the Milwaukee CAP intent and can be effective in demonstrating existing effort and strategy. The following plans stand out for their general connection to the CAP and for the highlighting important information about specific CAP chapters:
- **Local plans:** Milwaukee Community Vision – All Aboard (comprehensive), Milwaukee Direction and Blueprint Land Use Framework Plan (land use and transportation).
 - **Regional plans and partners:** Portland General Electric (PGE) Integrated Resource Plan (IRP) (building energy efficiency and efficiency), Clackamas County Sustainability Policy (comprehensive), Clackamas County Natural Hazard Mitigation Plan (public health and emergency preparedness), Regional Water Provider Consortium Strategic Plan (natural resources, public health and emergency preparedness, resilience).
 - **State and federal plans:** Oregon Health Authority's Oregon Climate and Health Resilience Plan (public health and emergency preparedness), Oregon Renewable Portfolio Standard (RPS) (building energy efficiency and efficiency), Oregon SB 263 Recovery Goals (materials, purchasing, use and recovery), Oregon Clean Fuel Program (vehicle fleet and fuels).

Examples of external efforts and plans that will result in GHG reductions for Milwaukee:

Building energy, recovery and efficiency: The PGE IRP outlines changes in demand (energy efficiency), state policy efforts (e.g., Renewable Portfolio Standard), and projected physical impacts of climate change on Oregonians and PGE operations (e.g., water supply for hydro generation).

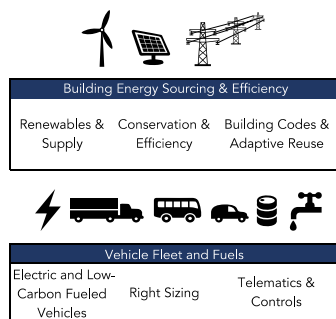
Vehicle fleet and fuels: The Oregon Clean Fuel Program outlines the gasoline and diesel reductions anticipated on an annual basis for this statewide program while the federal CAFE standards outline thresholds for improvements in fuel economy.

Materials, purchasing, use and recovery: Oregon SB 263 increased recovery goals, set recovery rates, expanded education, among other elements to make progress under the DEQ 2030 Materials Management Vision.

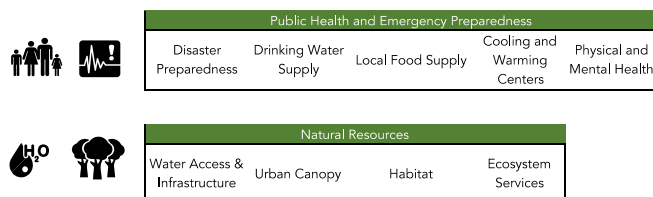
Implementation Partner Workshops

Key CAP Themes & Strategies

Mitigation



Adaptation



- Natural Resource Workshop
 - Feb 13th
- Building Energy and Efficiency Workshop
 - Feb 15th
- Material Purchasing, Use and Recovery Workshop
 - March 20th
- Fleets and Fuels Workshop
 - March 20th
- Landuse and Transportation Planning Worksoop
 - March 21st
- Public Health and Emergency Preepardeness
 - March 21st

Upcoming Events



- City Council Meeting – May 8th – Mitigation Potential Discussion.
- Climate Action Plan Committee Meeting #2 May 10th, 2018.
- Climate Action Plan Summit – May 31st, 2018.
 - The community will be invited to learn about proposed mitigation strategies and share their ideas.
- CAPC Meeting #3 – First two weeks of June
 - Plan Review and Discussion.
- CAPC Meeting #4 – First two weeks of July
 - Final Plan and Recommendations.
- Climate Action Plan Adoption by City Council – Late July 2018.

COUNCIL STAFF REPORT

To: Mayor and City Council
Ann Ober, City Manager

Date Written: Mar. 16, 2018

Reviewed: Blanca Marston (as to form), Administrative Specialist, Denny Egner, Planning Director, and Chuck Eaton, Engineering Director.

From: Peter Passarelli, Public Works Director

Subject: Downtown Ornamental Streetlights Conversion

ACTION REQUESTED

None: Informational Only.

HISTORY OF PRIOR ACTIONS AND DISCUSSIONS

September 19, 2000: City Council adopted OR1880. This ordinance provided the design details to provide specific construction details and design criteria throughout the Downtown and Riverfront Planning areas, to include streetlights.

ANALYSIS

New streetlights will be part of the Guardian Development project Public Area Requirements (PARS). The project calls for the installation of 5 new streetlights along the frontages of 21st and Washington. Portland General Electric (PGE) is no longer installing new HPS lights and are installing LED fixtures.

Milwaukee's existing PARS require the installation of the WST Westminster, post top acorn with band and finial lighting fixture or a PGE approved equivalent (see attachment #1). This applies to all streets in the downtown area except McLoughlin.

PGE has 4 approved ornamental LED fixtures and has asked the City to select a fixture for installation to be used at the Guardian Development project (attachment #2). Three of the approved fixtures (Washington Postlite, Yarmouth Fixture and the Wellington Fixture) are top mounted LED Dark Sky compliant fixtures, while the fourth is a center mounted LED, which is not Dark Sky compliant. The Washington Postlite Fixture is a lensless fixture. Public Works staff, Engineering staff and Planning staff have reviewed the fixtures and have selected the Wellington Dark Sky compliant fixture for use.

Beyond the Guardian Development project, the City currently has 116 ornamental streetlights in the downtown area (see attachment #3). These ornamental streetlights were installed sometime during 2005 and 2006. 114 of these streetlights are City owned and are billed under PGE's Option B and two (2) of the lights are PGE owned and billed under Option A. Streetlights under Option A are streetlights purchased, owned and maintained by PGE. Streetlights under Option B are streetlights purchased by the customer, but maintained by PGE.

PGE has proposed a conversion of all our Downtown Ornamental Streetlights to LED which will result in transitioning the 114 Option B lights to Option A. Action Goal 1.8 from

the City's Vision calls to incorporate Dark Sky friendly Streetlights to minimize light pollution.

The LED fixtures will improve lighting conditions throughout downtown for pedestrians, bicyclists and drivers. Specifically, the LED streetlights will illuminate our streets and sidewalks with a warmer white light. Additionally, the new streetlights will cost much less to maintain. Unlike high-pressure sodium lamps which burn out after four years, LED fixtures are virtually maintenance free for up to 20 years.

The conversion process is simple: PGE will remove the fixture of the HPS streetlight and replace it with a new LED fixture, leaving the existing pole untouched. PGE currently expects the conversion could be completed by the end of 2018.

The new LED streetlights will consume on average 50 percent less energy than the current streetlights, thereby reducing electricity costs for the City and reducing Milwaukee's environmental footprint. The KWH reduction is expected to be 35,000 KWH per year and it is estimated that there will be 26 metric tons per year reduction in greenhouse gas emissions. Highlighted are a savings of nearly 35,000 KWH per year, just for the LED's themselves.

The LED conversion will require a transition from Option B to Option A. The new lights would be PGE owned, with no upfront cost of replacement. Poles would remain Option B, until end of life or if they are car hit or damaged, at which time they would be transitioned to Option A. The cost is for this \$634.38 per month or \$7,612.56 per year. The Option A cost for LED is higher as the rate structure absorbs the cost of the new fixtures and future maintenance, repairs and replacement.

Lamp Code	Lamp Description	TOTAL LIGHTS	WATTAGE		Kwh / year*		Monthly Rate		
			Current	LED	Current	LED	Current	LED	
81	100W HPS ACORN 9,500 LUMEN	45	100	60	18450	11070	\$ 347.42	\$ 612.00	
82	150W HPS ACORN 16,000 LUMEN	62	150	70	38130	17794	\$ 609.46	\$ 972.78	
83	250W HPS ACORN 27,500 LUMEN	9	250	70	9225	2583	\$ 134.73	\$ 141.21	
		116			65,805	31,447	\$ 1,091.61	\$ 1,725.99	
*Based on 4,100 Burn Hours Annually						(34,358)		\$ 634.38	
					Greenhouse Gas Emissions Savings		26 Metric Tons		
Lamp Code	Lamp Description	Option A	Option B	Current Rate (A)	Current Rate (B)	Total Current Monthly	Future LED Option A Rate	Total FUTURE Monthly	POSSIBLE OPTION A LED REPLACEMENT
81	100W HPS ACORN 9,500 LUMEN	2	43	\$ 13.75	\$ 7.44	\$ 347.42	\$ 13.60	\$ 612.00	Estimated Rate for 60W LED Acorn
82	150W HPS ACORN 16,000 LUMEN		62		\$ 9.83	\$ 609.46	\$ 15.69	\$ 972.78	Estimated Rate for 70W LED Acorn
83	250W HPS ACORN 27,500 LUMEN		9		\$ 14.97	\$ 134.73	\$ 15.69	\$ 141.21	Estimated Rate for 70W LED Acorn
						\$ 1,091.61		\$ 1,725.99	

As part of the conversion, staff and PGE are reviewing options to install an advanced control network that will allow City staff to control the light output of each fixture along Main Street near the proposed new Farmer's Market Site. This will allow us to implement a dimming protocol that will further reduce consumption of electricity, greenhouse gas emissions and prevent light pollution.

BUDGET IMPACTS

The cost for the conversion of the streetlights totals an additional \$634.38 per month or \$7,612.56 per year.

WORKLOAD IMPACTS

None

COORDINATION, CONCURRENCE, OR DISSENT

Public Works staff, Engineering staff and Planning staff have reviewed the fixtures and have selected the Wellington Dark Sky compliant fixture for use.

STAFF RECOMMENDATION

Staff has selected the PGE approved Top Mounted LED Wellington Ornamental Fixture for use in the Downtown.

ALTERNATIVES

N/A

ATTACHMENTS

1. Photo- Current Ornamental Streetlight
2. PGE Approved LED Ornamental Streetlight
3. Ornamental Streetlight Location Map

Design Details

3.4 Street Lights

C. Fixture Components

Ornamental Pole

The Hadco P-2065 light pole (or PGE-approved equivalent) has a base diameter of 16" and a height of 20". It has a 5" flat fluted shaft and .186 to .260 aluminum wall thickness.



Application: All streets

Lighting Fixture

The WST Westminster, post-top acorn with band and finial lighting fixture (or PGE-approved equivalent) measures 15 9/10" x 36" and comes in a black cast aluminum housing. It fits a 5" flat fluted pole and carries a globe of tough high-impact polycarbonate or acrylic with a vintage glasslike appearance. The fixture holds integral ballast and is secured to the pole with three set mounting bolts.



Application: All Streets except McLoughlin

Bracket

The twin ornamental light utilizes the Hadco M0302 double-headed modular arm bracket (or PGE-approved equivalent). Its heavy wall cast aluminum construction can carry large light fixtures with more than a 3' separation.



Application: Main Street only

LED Acorn fixtures

Washington Postlight FCO- 70W
Installed in Molalla on Molalla Ave



Acrylic Washington Postlite II- 60W
Installed in HV and Tigard (West River Terrace)



Yarmouth Fixture
Top mounted LED



Wellington Fixture
Top mounted LED





 Downtown  Other Lighting  Ped Lighting (Historical)  Overhead Lighting (cobra)





Downtown Streetlights



Downtown Streetlights

- Currently 116 ornamental streetlights in the downtown area
 - 114 of these streetlights are City owned
- Installed between 2005 and 2016.
- Billed under PGE's Option B
 - Streetlights under Option A are streetlights purchased, owned and maintained by PGE.
 - Streetlights under Option B are streetlights purchased by the customer, but maintained by PGE.
- PGE has proposed a conversion of all our Downtown Ornamental Streetlights to LED



Ornamental Fixtures

- PGE has 4 approved ornamental LED Fixtures
- Three of the approved fixtures - Washington Postlite, Yarmouth Fixture and the Wellington Fixture are top mounted LED Dark Sky compliant fixtures,
- The fourth is a center mounted LED, which is not Dark Sky compliant.
- The Washington Postlite Fixture is a lensless fixture.
- Public Works staff, Engineering staff and Planning staff have reviewed the fixtures and have selected the Wellington Dark Sky compliant fixture for use.

ATTACHMENT 2

LED Acorn fixtures

Washington Postlight FCO- 70W
Installed in Molalla on Molalla Ave



Acrylic Washington Postlite II- 60W
Installed in HV and Tigard (West River Terrace)



Yarmouth Fixture
Top mounted LED



Wellington Fixture
Top mounted LED



Street Light Comparison

- Upper Left – PARS Fixture
- Upper Right – Selected PGE Approved LED Fixture
- Bottom – Current HPS



Wellington Fixture
Top mounted LED





Dark Sky Friendly

- Action Goal 1.8 from the City's Vision calls to incorporate Dark Sky friendly Streetlights to minimize light pollution.

LED Conversion



- PGE currently expects the conversion could be completed by the end of 2018.
- The LED conversion will require a transition from Option B to Option A.
 - The new lights would be PGE owned, with no upfront cost of replacement.
 - Poles would remain Option B, until end of life or if they are car hit or damaged, at which time they would be transitioned to Option A.
- The cost is for this \$634.38 per month or \$7,612.56 per year.
 - The rate structure absorbs the cost of the new fixtures and future maintenance, repairs and replacement.

Energy and Greenhouse Gas Emissions

- The new LED streetlights will consume on average 50 percent less energy than the current streetlights.
- The KWH reduction is expected to be 35,000 KWH per year
- it is estimated that there will be 26 metric tons per year reduction in greenhouse gas emissions.

			WATTAGE		Kwh / year*		Monthly Rate		
Lamp Code	Lamp Description	TOTAL LIGHTS	Current	LED	Current	LED	Current	LED	
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