

TROUTDALE
GATEWAY TO THE GORGE

Troutdale • SCYP Compilation Report



UNIVERSITY OF
OREGON



THE CITY OF
TROUTDALE
OREGON





Troutdale • SCYP Compilation Report

Prepared by

Sustainable City Year Program and City of Troutdale

Acknowledgements

Over the 2020-2021 school year, the City of Troutdale staff and stakeholders and the Sustainable City Year Program staff, students, and faculty worked together to create viable recommendations and outcomes that will move Troutdale forward towards a more sustainable and responsive future.

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About SCI

The Sustainable Cities Institute (SCI) is an applied think tank focusing on sustainability and cities through applied research, teaching, and community partnerships. We work across disciplines that match the complexity of cities to address sustainability challenges, from regional planning to building design and from enhancing engagement of diverse communities to understanding the impacts on municipal budgets from disruptive technologies and many issues in between.

SCI focuses on sustainability-based research and teaching opportunities through two primary efforts:

1. Our Sustainable City Year Program (SCYP), a massively scaled university-community partnership program that matches the resources of the University with one Oregon community each year to help advance that community's sustainability goals; and

2. Our Urbanism Next Center, which focuses on how autonomous vehicles, e-commerce, and the sharing economy will impact the form and function of cities.

In all cases, we share our expertise and experiences with scholars, policymakers, community leaders, and project partners. We further extend our impact via an annual Expert-in-Residence Program, SCI China visiting scholars program, study abroad course on redesigning cities for people on bicycle, and through our co-leadership of the Educational Partnerships for Innovation in Communities Network (EPIC-N), which is transferring SCYP to universities and communities across the globe. Our work connects student passion, faculty experience, and community needs to produce innovative, tangible solutions for the creation of a sustainable society.



About SCYP

The Sustainable City Year Program (SCYP) is a year-long partnership between SCI and a partner in Oregon, in which students and faculty in courses from across the university collaborate with a public entity on sustainability and livability projects. SCYP faculty and students work in collaboration with staff from the partner agency through a variety of studio projects

and service-learning courses to provide students with real-world projects to investigate. Students bring energy, enthusiasm, and innovative approaches to difficult, persistent problems. SCYP's primary value derives from collaborations that result in on-the-ground impact and expanded conversations for a community ready to transition to a more sustainable and livable future.



About City of Troutdale

Troutdale is a dynamic suburban community in Multnomah County, situated on the eastern edge of the Portland metropolitan region and the western edge of the Columbia River Gorge. Settled in the late 1800s and incorporated in 1907, this “Gateway to the Gorge” is approximately six square miles in size with a population of nearly 17,000 residents. Almost 75% of that population is aged 18-64.

Troutdale’s median household income of \$72,188 exceeds the State of Oregon’s \$59,393. Troutdale’s neighbors include Wood Village and Fairview to the west, Gresham to the south, and unincorporated areas of Multnomah County to the east.

For the first part of the 20th century, the city remained a small village serving area farmers and company workers at nearby industrial facilities. Starting around 1970, Troutdale became a bedroom community in the region, with subdivisions and spurts of multi-family residential housing occurring. In the 1990s, efforts were made to improve the aesthetics of the community’s original core, contributing to an award-winning “Main Street” infill project that helped with placemaking. In the 2010s, the City positioned itself as a jobs center as it worked with stakeholders to transform a large superfund area to one of the region’s most attractive industrial centers – the Troutdale-Reynolds Industrial Park.

The principal transportation link between Troutdale and Portland is Interstate 84. The Union Pacific Railroad main line runs just north of Troutdale’s city center. The Troutdale area is the gateway to the famous Columbia River Gorge Scenic Area and Sandy River recreational areas, and its outdoor pursuits.

Troutdale’s appealing and beautiful natural setting, miles of trails, and parkland and conservation areas draw residents and visitors alike. The City’s pride in place is manifested through its monthly gatherings and annual events, ranging from “First Friday” art walks to the City’s long-standing Summerfest celebration each July. A dedicated art scene and an exciting culinary mix have made Troutdale an enviable destination and underscore the community’s quality of life. Troutdale is home to McMenamins Edgefield, one of Portland’s beloved venues for entertainment and hospitality.

In recent years, Troutdale has developed a robust economic development program. The City’s largest employers are Amazon and FedEx Ground, although the City also has numerous local and regional businesses that highlight unique assets within the area. Troutdale’s recent business-related efforts have focused on the City’s Town Center, where 12 “opportunity sites” have been identified for infill development that respects the small-town feel while offering support to the existing retail environment. The next 20 years promise to be an exciting time for a mature community to protect what’s loved and expand opportunities that contribute to Troutdale’s pride in place.





Columbia River



Sandy River



Troutdale Airport



Town Center



Glenn Otto Community Park



Columbia Park



Sunrise City Park



College Nature Park

NW Sundial Rd.

NW Swigert Way

NW Graham Rd.

NW 257th Dr.

I-84

W Columbia River Hwy.

SW Halsey St.

SW Cherry Park Rd.

SW Cherry Park Rd.

S Troutdale Rd.

NE 242nd Dr.

SW 257th Dr.

SE Stark St.

W Columbia River Hwy.

CITY OF TROUTDALE

2020 POPULATION



16,300



HOME TO:

McMenamins
Edgefield



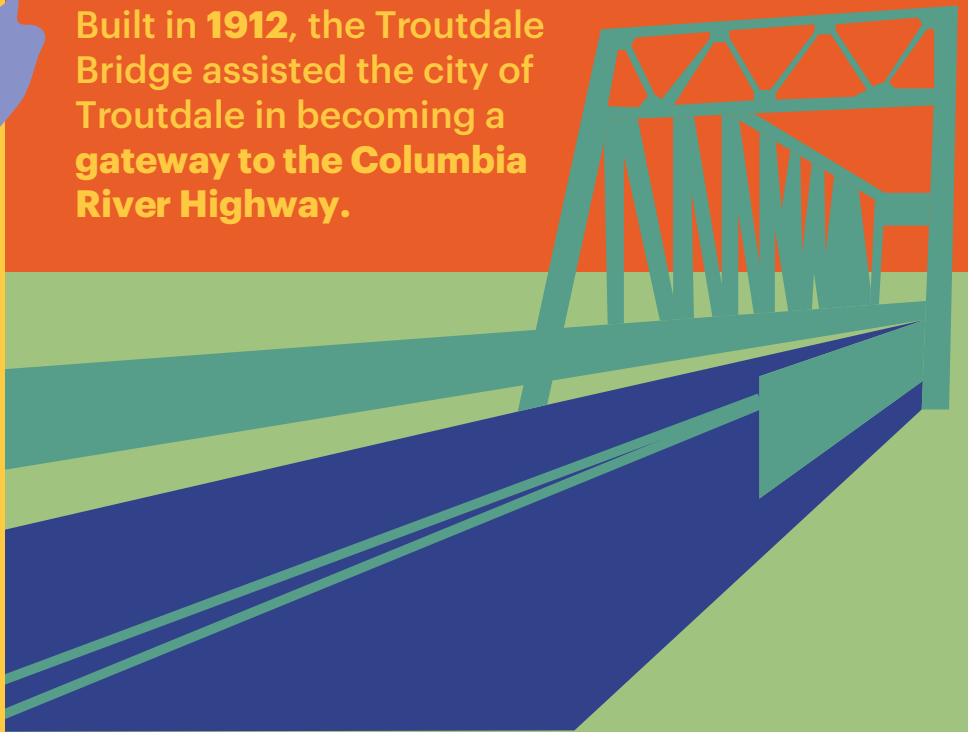
Fall Festival
of the Arts



The Depot
Rail Museum



Built in **1912**, the Troutdale Bridge assisted the city of Troutdale in becoming a gateway to the **Columbia River Highway**.



Troutdale features various bronze sculptures artfully integrated into city streets and sites, such as the Mayor's Square.

Introduction

TROUTDALE CONTEXT

The following core values reflect the city of Troutdale. Eloquent and thorough, they describe the diversity and breadth of the community from its natural surroundings to its history, transportation, location, and community/family focus.

- We are shaped by powerful forces of water, wind, and land. It is here that the Sandy River carries rushing waters from the glaciers of Mount Hood to the mighty Columbia. It is here where flood and fire formed Broughton Bluff – standing sentinel as a stunning backdrop to our downtown. It is here that land rich with flora and fauna sustained Native Americans, early settlers, and a growing region.
- We are rooted in history. It is here that the Chinookan Peoples hunted and fished the lands along the rivers and mountains. It is here that explorers like Vancouver, Lewis, and Clark charted a path for European settlement in the region. It is here where enterprising businesses launched to serve a growing region with food, timber, wool, and hides. It is here where aluminum provided for World War II. It is here that character is preserved in museums and homes.
- We are transported over time. The Union Pacific Railroad crossed our continent and the station here gave birth to a town of commerce and industry. Decades later, the Columbia River Highway, the first planned scenic highway in the nation, brought cars through Troutdale to explore the iconic wonders of the Columbia River Gorge. To this day, Troutdale is a place where the movement of people and goods is evident all around us.
- We are connected in dramatic ways. To our west is the metropolis of Portland a city that embodies the urban dynamics of the Pacific Northwest. To our east is the Gorge, a stunning reminder that this place is a product of natural forces far stronger than our own, forces we can feel as the wind blows. We embrace our exceptional role as the transition between nature and city.
- We are grounded in community. We preserve and enhance our historic downtown, we embrace our natural setting, we envision a future that honors our past. We cherish our role as the Gateway to the Gorge. But we are more place than passage. We are a place for families, a place of friendships, a place of gatherings, a place of creativity, and a place of opportunity. We look to the future with bold vision.
- We invite you to experience our place, feel the warmth of our people and the power of our surroundings.
- We are Troutdale, Oregon – Our Nature Will Move You



We decided to work with the University of Oregon’s SCYP to kickstart our Town Center planning and the partnership has just taken off from there.

Troutdale Community
Development Director
Chris Damgen



FOCAL AREAS

Troutdale engaged the University of Oregon’s Sustainable City Year Program (SCYP) through a variety of projects, described in more detail throughout this report, with the goal of exploring priorities highlighted in the City’s core values. The suite of SCYP projects were grouped into themes in an effort to capture the breadth and varying scales of city needs, including:

- Design, Planning, & Engineering
- Civic Engagement
- Public Policy

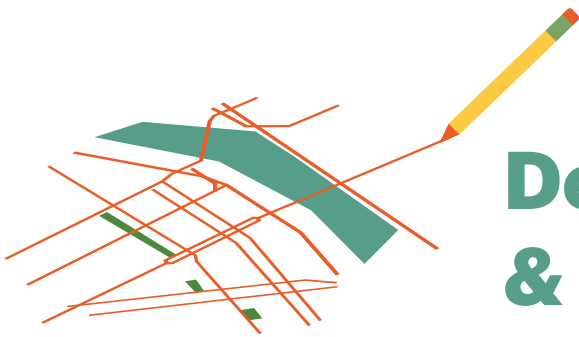
HOW TO USE THIS REPORT

This report highlights the key elements of each project/class as well as the key takeaways and recommendations that resulted from student analysis. Appendix A includes links to each class final report.

Sustainable City Year Program

2020-21 Troutdale Projects by College/School

College/School	Fall 2020	Winter 2021	Spring 2021
School of Planning, Public Policy and Management	Revitalizing the Overlook Tract (Opportunity Site #7)	Mobility Opportunities for Troutdale	Cascadia Arts Association Strategic Planning
	An Analysis of Economic/Business Improvement District Potential and Capital Improvement Programming	Topics in Transportation Policy	Town Center Land Use Possibilities
		Cascadia Arts Association Strategic Planning	Town Center Mixed Use Comparators
		Growth Management: Planning Goals 2 and 9	
School of Architecture & Environment		Climate Adaptation Crosswalk	Overlook Tract Affordable Housing Design (Opportunity Site #7)
Lundquist College of Business		Troutdale Passenger Rail and Transit Feasibility Assessment	Troutdale Passenger Rail and Transit Feasibility Assessment
School of Journalism and Communication	Travel Troutdale Community Outreach Campaign	Promoting Troutdale Through Instagram	
Portland State University, College of Engineering		Engineering Capstone Designs	Engineering Capstone Designs
School of Law			Topics in Land Use Law: Fire Hazard Resiliency and Wind Energy Development



Design, Planning, & Engineering

Revitalizing the Overlook Tract (Opportunity Site #7)

Classes: Planning Analysis I (PPPM 613), Introduction to Planning Practice (PPPM 611), and Human Settlements (PPPM 617)

Faculty: Anne Brown, John Arroyo, and Gerard Sandoval

PROJECT SUMMARY

The Troutdale Town Center Plan identified 12 opportunity sites for future development or redevelopment based on public feedback and assignment of preferred land use classifications. The selection of these sites was deliberate, as future investment can have transformative effects not just for the site, but for the Town Center as a whole.

In partnership with SCYP, the City looked at revitalizing Opportunity Site #7, the Overlook Tract. The site, designated for affordable housing, will be developed in collaboration with the City, Multnomah County and Home Forward, the area's affordable housing authority. Using three key themes — climate change, housing insecurity, and racial justice — students analyzed the opportunities and challenges of the site.



FIG NUM. 1

Wide view of the housing development concept

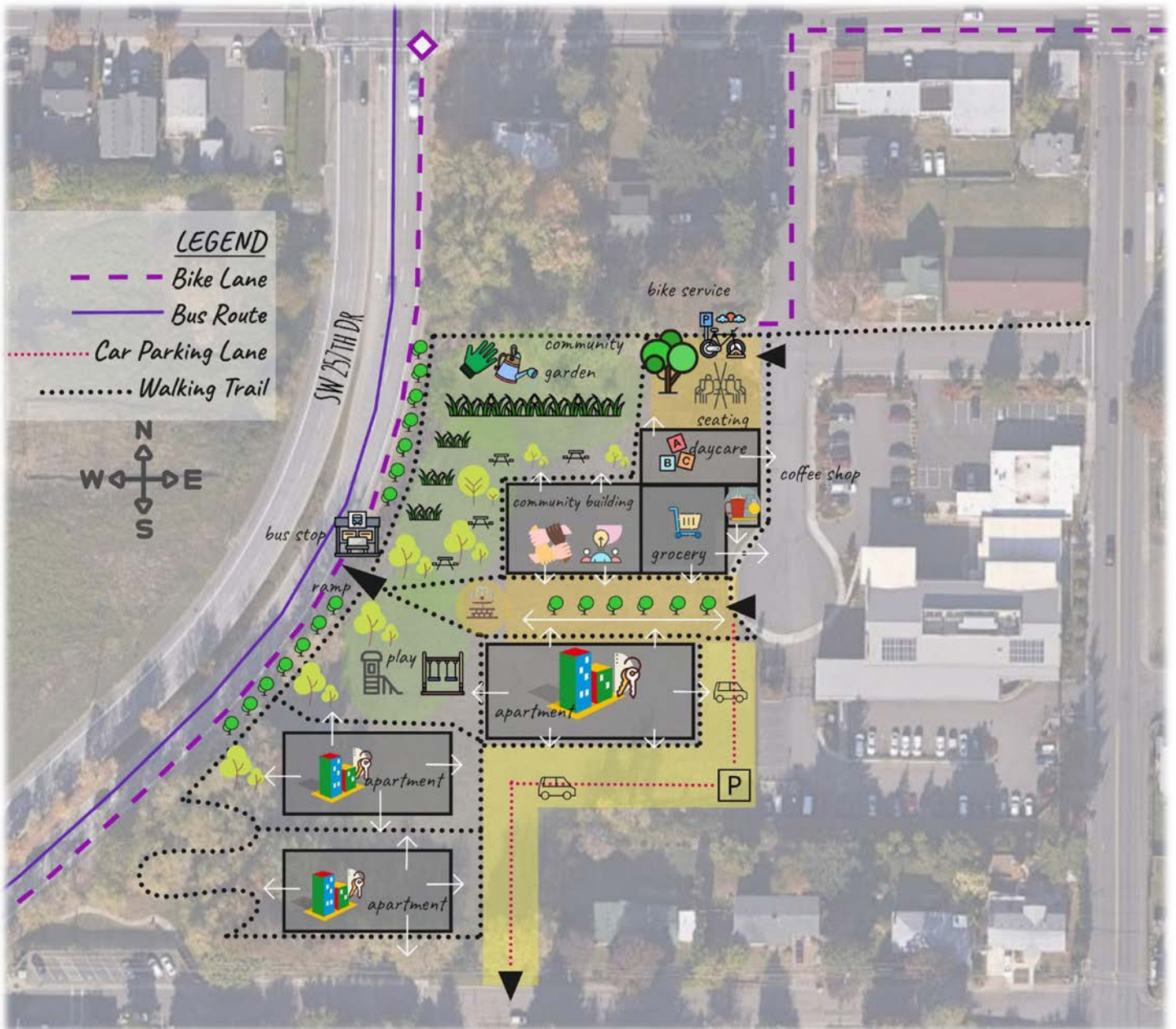


FIG NUM. 2
Site plan



FIG NUM. 3
Community mixed-use sketch

RECOMMENDATIONS AND KEY OBSERVATIONS

Each student team researched relevant land use, transportation, history, urban design, and economic development, among other important topics. Although each group recommended unique features specific to their focus area, common elements included:

- Utilizing open space within the development to support community activities, such as a community garden
- Providing first-floor commercial space to introduce jobs and amenities to the site since it is close to downtown
- Creating connections between existing infrastructure and the site, as well as downtown Troutdale neighborhoods
- Incorporating placemaking elements, such as public art and community centers, to reflect the cultural diversity of Troutdale's citizenry



FIG NUM. 4
Community gardens sketch



FIG NUM. 5
Visual graphic of Troutdale town center mind map

Connecting Troutdale: Options for Future Transportation Choices

Class: Urban Transportation (PPPM 399)

Faculty: Anne Brown

PROJECT SUMMARY

The Town Center Plan identified eight key corridors where public investment is expected to help improve transportation choice and safety while at the same time, decrease auto dependency and connect opportunity sites along the corridor. As part of Professor Anne Brown's Urban Transportation class, students assessed existing infrastructure and considered how to effectively include multimodal transportation options in the Town Center area, in addition to evaluating the feasibility and appropriateness of travel modes based on relevant case studies and impacts to current transportation options and infrastructure. Modes included localized transit (micro-shuttle, trolley); a golf cart only zone or connected golf cart corridor with the neighboring cities of Fairview and Wood Village; electric bikes and scooters; and autonomous vehicles.

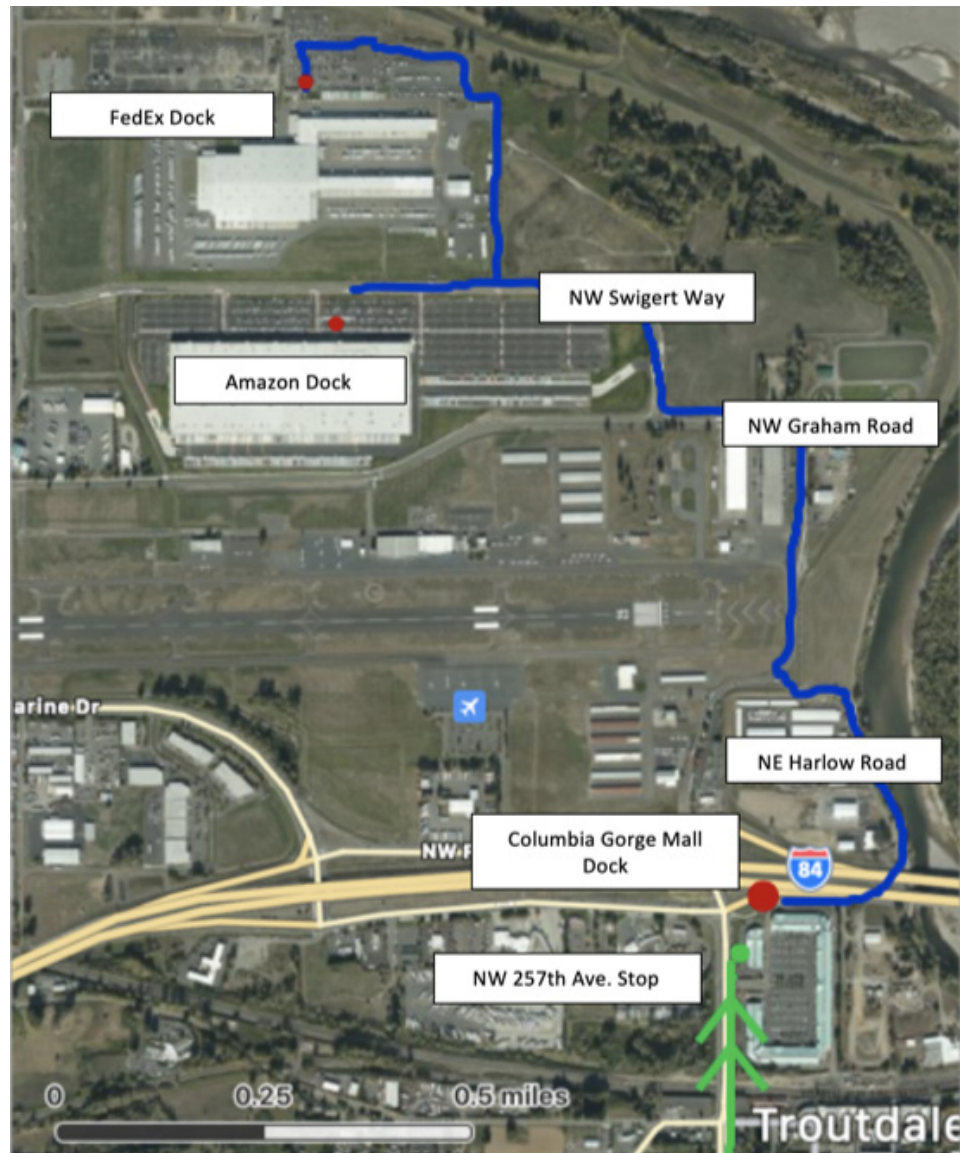


FIG NUM. 6
Proposed multiuse path



FIG NUM. 8
WeCycle bike dock

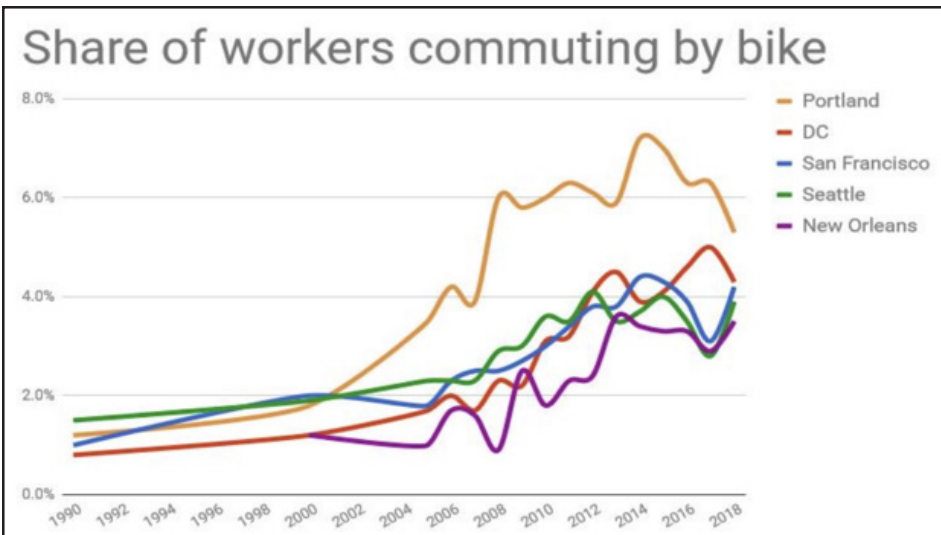


FIG NUM. 7
Rate of bike commuting in U.S. cities

RECOMMENDATIONS AND KEY OBSERVATIONS

Students proposed a variety of solutions to improve the mobility environment in Troutdale, such as:

- Clearly identifying crosswalks and bike lanes to ensure that pedestrians and cyclists can travel with certainty and comfort
- Continuous and connected sidewalks to ensure safe pedestrian travel
- A variety of ways to connect downtown with the rest of the City via a shuttle or trolley. After assessing both options, students determined that a shuttle could provide a better replacement for personal vehicle trips to the downtown area
- A new golf cart zone to augment the shuttle in low speed zones to offer greater flexibility in transportation choices
- Installation of electric bicycles and scooters throughout the City to offer new and different methods of transportation. Scooters could be paired with a multiuse path near a bus stop to transport workers to and from large employment facilities in the Troutdale Reynolds Industrial Park
- To help facilitate the movement of goods and people, design a system of loading and unloading zones that could be implemented during certain hours to maintain space for deliveries and drop-offs without obstructing traffic flow



FIG NUM. 9
Covered golf cart

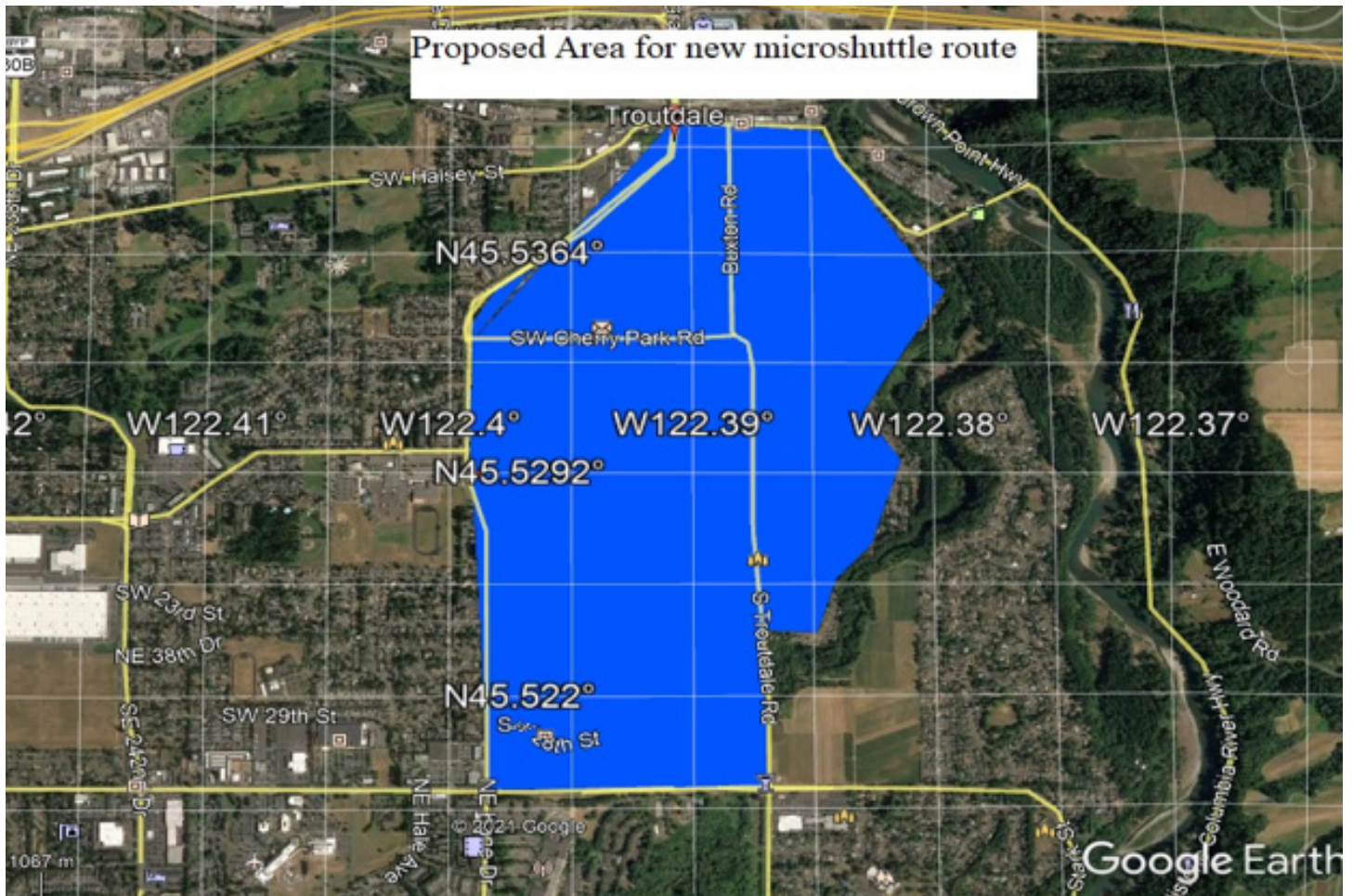


FIG NUM. 10
Proposed microshuttle route

Engineering Capstone Designs

Class: Civil and Environmental Engineering Capstone (CEE Capstone)

Faculty: Evan Kristof

PROJECT SUMMARY

A high priority for Troutdale, and noted prominently throughout the Town Center Plan, are transportation- and mobility-related projects. These projects are varied but strive to improve access for active and alternative transportation (pedestrians, bicyclists, micro-transit, electric-assisted vehicles, golf carts) as well as for transit and vehicles.

Groups of Portland State University Civil and Environmental Engineering students worked on potential designs and budget estimates for a variety of projects, including: **1)** a bridge span that could be used by bicyclists, pedestrians, and other alternative travel modes to connect downtown Troutdale with The Confluence site;

2) a Sandy Riverfront Park overlook deck; **3)** a bridge span that connects a prospective off-street multiuse trail along Halsey Street to 2nd Street; and **4)** a Sandy Avenue redesign or reconfiguration with enhanced bicycle and pedestrian access. The bridge connecting Halsey Street to 2nd Street is likely to be constructed within the next two years.



FIG NUM. 11

Timber truss design pedestrian bridge

Source: Brampton Woodworks, 2017



FIG NUM. 12

Halsey - 2nd Bridge

RECOMMENDATIONS AND KEY OBSERVATIONS

Each of the four project teams prepared a final report that includes 30% design, final cost to build, proposed construction schedule, materials, and geotechnical and structural considerations.

Climate Adaptation Recommendations and Crosswalk

Researcher: Rachel Cohen
 City Partner Lead: Arini Farrell

PROJECT SUMMARY

Climate change has shown that extreme weather events and conditions could increase in coming years, resulting in more days where the threat of inclement weather or natural disasters are higher. Climate change trends suggest that the city of Troutdale will see an increase in year-round temperature averages, which will have immediate impact on weather conditions and

potential hazards that result from it. Therefore the city of Troutdale is exploring its options to mitigate, adapt, and become resilient to the effects of climate change. This report surveyed policy and planning documents across local and regional jurisdictions to understand the current environment and explore what possibilities might exist for the future.

	Unincorporated Multnomah County	Gresham	Troutdale	Fairview	Wood Village
HIGH	Earthquake	Earthquake	Severe Weather	Earthquake	Severe Weather
	Flood	Severe Weather		Severe Weather	
	Wildfire				
MODERATE	Severe Weather	Flood	Earthquake	Volcano	Earthquake
		Landslide	Volcano	Flood	Volcano
			Flood		Landslide
			Wildfire		
LOW-MODERATE					Flood
LOW	Landslide	Wildfire	Landslide	Landslide	Wildfire
	Volcano	Volcano		Wildfire	

FIG NUM. 13

Risk of climate-related and other natural disasters in Troutdale and neighboring cities

Criteria	High (3 points)	Medium (2 point)	Low (1 point)
Equity¹	Social benefits are highly likely, especially for people in areas with high hazard exposure and for people who have been disproportionately impacted by natural disasters.	Social impacts are likely to be neutral to positive, especially for people in areas with high hazard exposure and for people who have been disproportionately impacted by natural disasters.	Social impacts are likely to be neutral, especially for people in areas with high hazard exposure and for people who have been disproportionately impacted by natural disasters.
Benefits	Supports compliance with a legal mandate or will have an immediate impact on the reduction of risk exposure to life and property.	Will have a long-term impact on the reduction of risk exposure to life and property.	Long-term benefits of the action are difficult to quantify in the short term.
Costs	Possible to fund under existing budget. Project is or can be part of an existing ongoing program or would not require substantial effort to initiate or appropriate funds.	Possible to budget for under existing work-plan, but would require a reapportionment of the budget or a budget amendment.	Existing work plan and funding levels are not adequate to cover the costs of the proposed project.
Risk²	Addresses a high-risk issue as described in the risk assessment.	Addresses a moderate-risk issue as described in the risk assessment.	Addresses a low-risk issue or has not been assessed for the level of risk.
Capacity	Capacity is highly feasible within 1 to 3 years.	Capacity is feasible within 5 years, but may need to be further explored.	Capacity is uncertain to unlikely within 5 years.

FIG NUM. 14

Mitigation action prioritization criteria

Source: NHMP Steering Committee

The big three emission sources: Electricity, natural gas and fuel for our vehicles

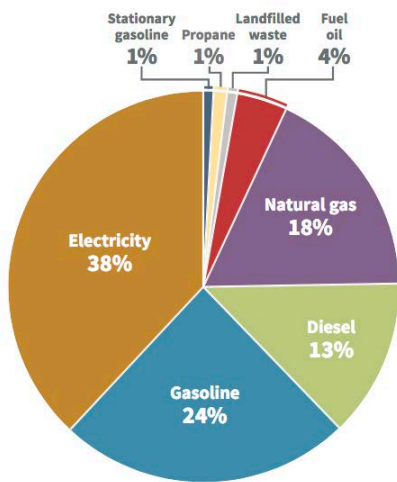


Figure 9. Total Multnomah County carbon emissions by source (Sector-based inventory, 2013). Source: Portland Bureau of Planning and Sustainability

Investing in energy efficiency and switching to green power reduces use of carbon-intensive fuel sources

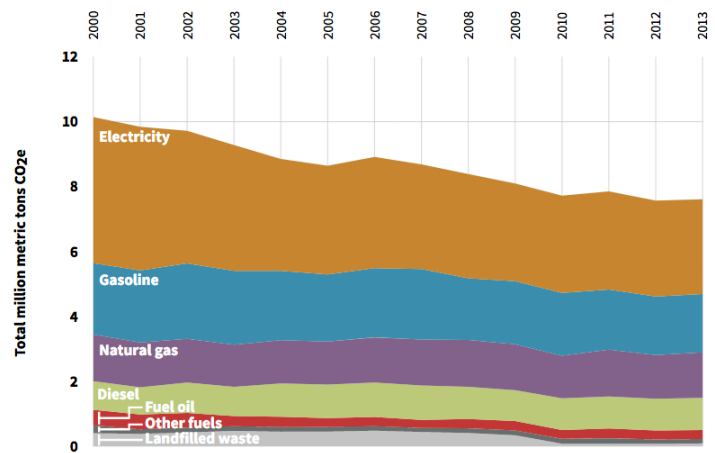


Figure 10. Multnomah County Carbon Emissions trend by source (Sector-based inventory, 2013). Source: Portland Bureau of Planning and Sustainability

FIG NUM. 15

MultCo GHG Emissions

Sources of greenhouse gas emissions in Multnomah County, 2013.

RECOMMENDATIONS AND KEY OBSERVATIONS

Documents were assessed along three criteria: **1)** Reducing greenhouse gas emissions; **2)** Identifying and adapting to the risks associated with climate change; and **3)** Increasing access to clean and affordable energy. Each section summarized the relevant key points in a plan or policy document and provided recommendations for how the content of these documents might be applied to future climate

resiliency work, and an overall table summarizes each document as well as recommendations for how to connect the content with future climate resiliency work. In addition to these documents, the researcher suggested that Troutdale should consider forthcoming state and federal climate policy, as well as Portland General Electric's November 2020 announcement to meet the region's electricity needs with net zero carbon emissions by 2040.

Troutdale Passenger Rail and Transit Feasibility Assessment

Class: Strategic Planning Project Capstone (MGMT 609)

Faculty: Ryan Cabinte

PROJECT SUMMARY

The Columbia River Gorge offers a myriad of historic landmarks, epic views and waterfalls, outdoor recreation opportunities, and a variety of state parks, and draws more than two million visitors a year.

Master of Business Administration students worked on Troutdale-based passenger rail and transit for the Columbia River Gorge area, focused on:

- Identifying opportunities to relieve tourist attraction and destination congestion throughout the Columbia River Gorge
- Summarizing Troutdale's current infrastructure and suggesting improvements to alleviate congestion in the Columbia River Gorge
- Identifying key stakeholders and advocates
- City guidance to create economic development stimulus, especially in support of transportation expansion



FIG NUM. 16



FIG NUM. 17

RECOMMENDATIONS AND KEY OBSERVATIONS

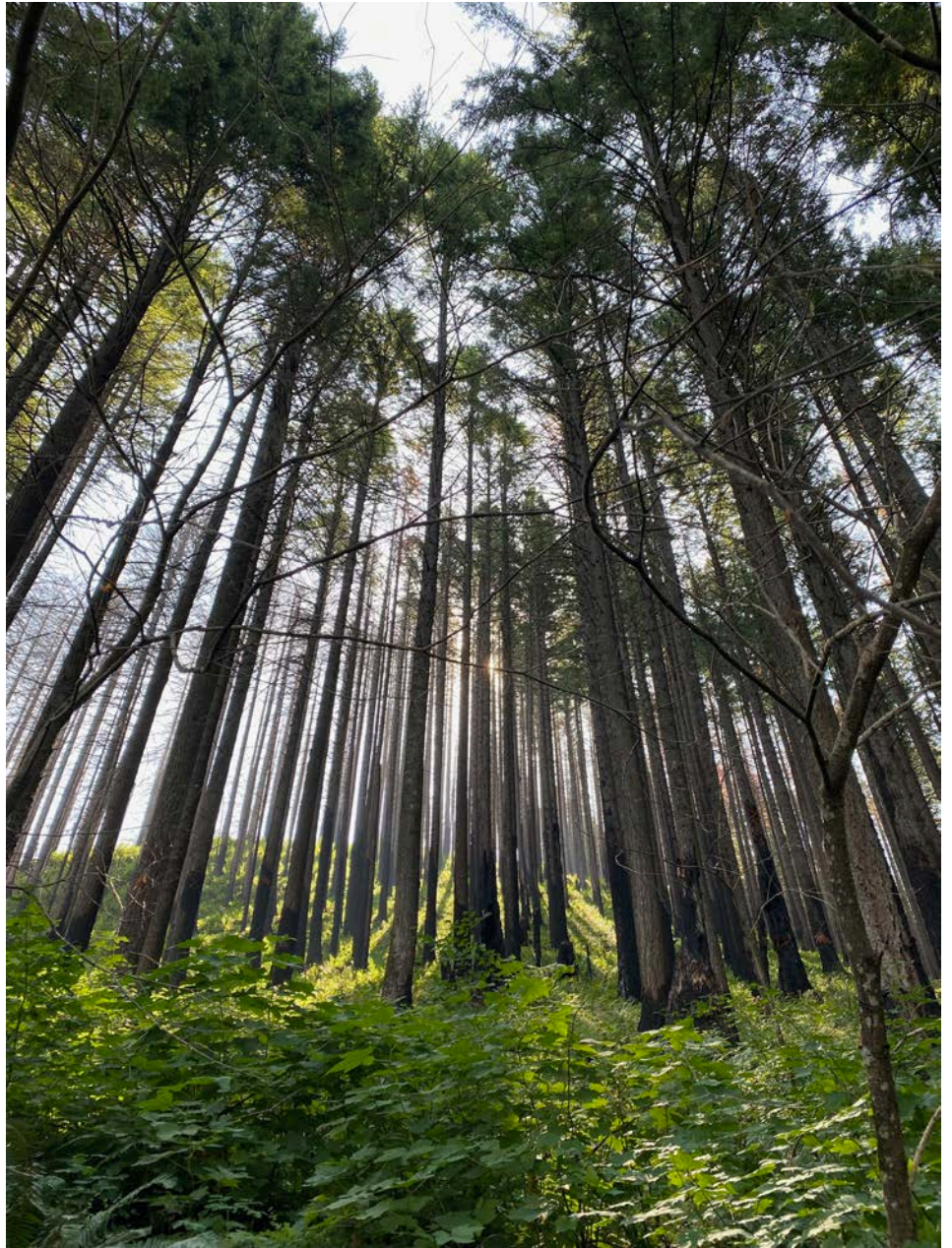
Students noted there are numerous challenges related to mitigating traffic congestion through the Columbia River Gorge and recommend the following:

- Highlight Troutdale’s strategic location, existing infrastructure, and robust transportation plans to committees
- Continue building support with key stakeholders
- Coordinate with the East Multnomah County Transportation Committee
- Become an active participant in the Region 1 ACT

FIG NUM. 18

Trails near Multomah Falls offer forest views

Credit: Megan Banks



Planning for a Vibrant Future: Land Use and Economic Development

Class: Growth Management (PPPM 646)

Faculty: Rebecca Lewis

PROJECT SUMMARY

Oregon's approach to comprehensive planning is methodical and prescriptive. The state requires local governments to create a Comprehensive Plan that addresses all of the applicable 19 statewide planning goals. The city of Troutdale is preparing to amend its Comprehensive Plan, with a specific focus on two goals:

Goal 2, Land Use Planning, and Goal 9, Economic Development using case studies, literature review of mixed-use zoning and economic development trends, U.S. Census data analysis, and comparing Troutdale's Comprehensive Plan to other relevant planning resources such as Metro's 2040 Regional Growth Framework.

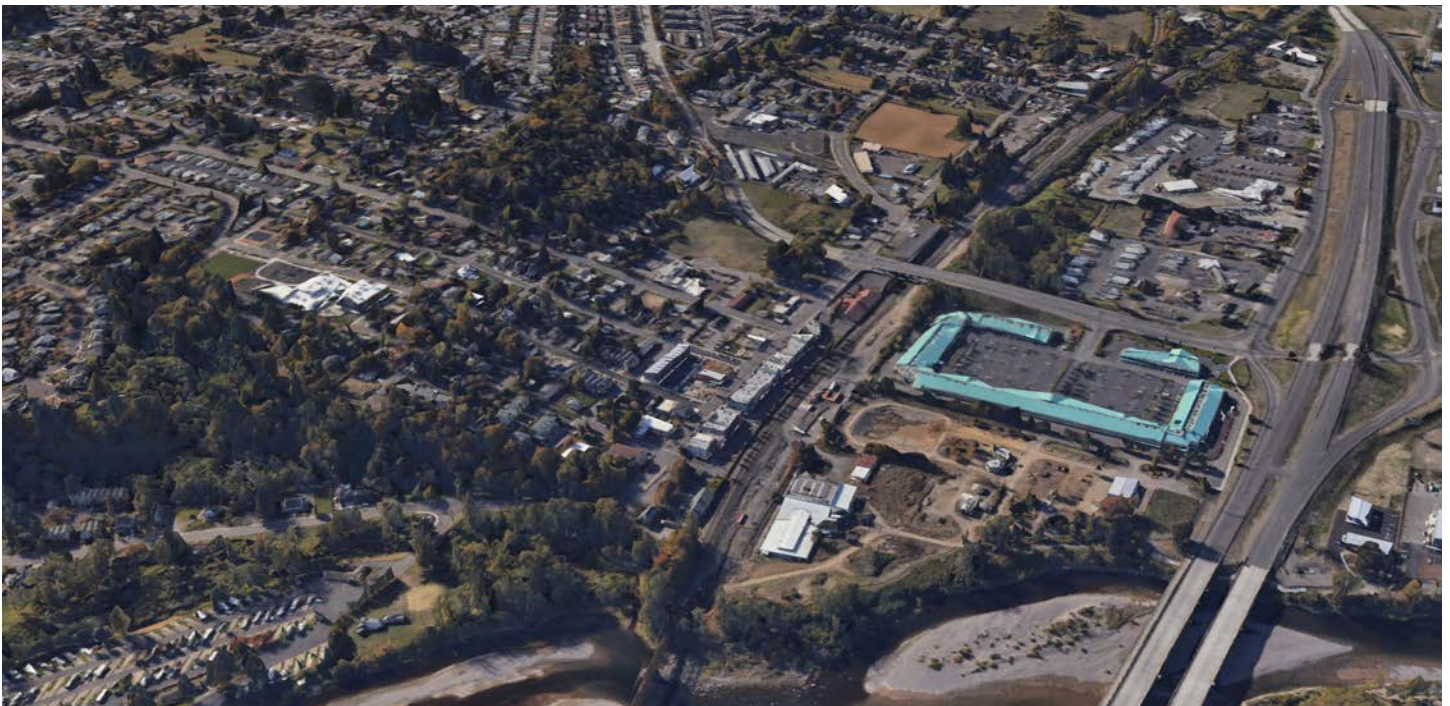


FIG NUM. 19

Overhead of downtown Troutdale

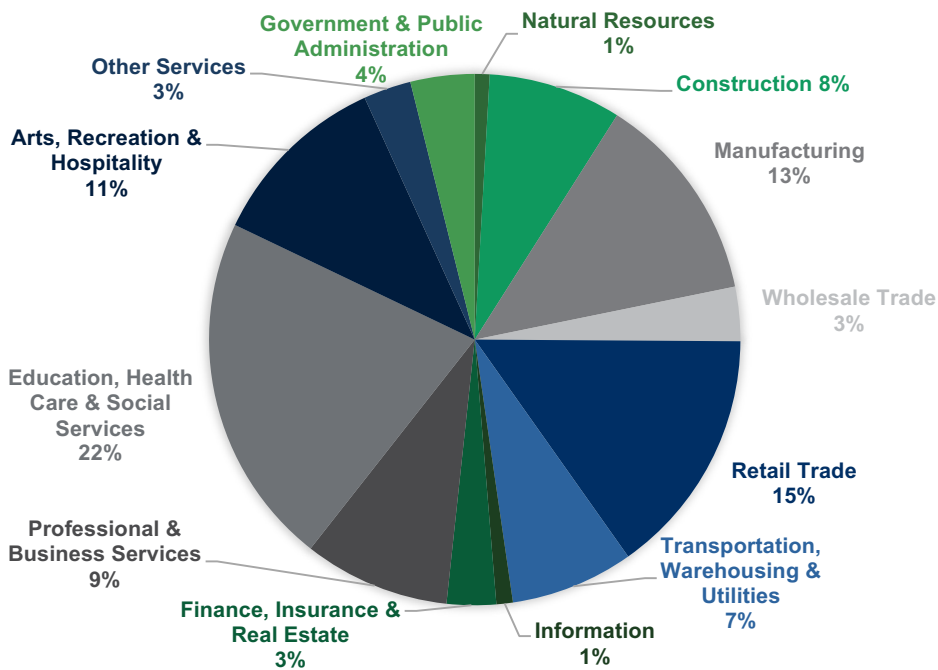


FIG NUM. 20
 Troutdale employment by industry composition, 2019
 Source: U.S. Census Bureau

RECOMMENDATIONS AND KEY OBSERVATIONS

- Goal 2, Land Use:** Students emphasized how a mixed-use zoning designation in the Town Center could help the City develop the area commercially and accommodate housing needs. Approaching mixed-use zoning with a “fine-grained” approach could reduce land costs, increase destinations along the street, and help diversify the local economy, as well as lower barriers of entry to investors

and entrepreneurs, thereby cultivating a more resilient economy and vibrant community. A second student group envisioned three new zones: along the Historic Columbia River Highway, a Downtown Mixed Use (MU-1) zone would emphasize commercial development, with residential uses complementing the area. Where the Halsey neighborhood and land along SW 257th Drive are located, a General Mixed Use (MU-2) zone prioritizes residential land use

complemented with commercial uses. Students noted that these zoning designations can help preserve the existing character of downtown (MU-1 zone) while meeting residents’ expectations for developing vacant land (foundations of the MU-2 zone). Lastly, an Urban Mixed Use (MU-3) zone would accommodate the unique opportunities afforded by the undeveloped Confluence Site adjacent to downtown.

Mixed Use Zones for Troutdale

MU-1: Downtown Mixed Use

Meant to replace Central Business District (CBD) zone.

Emphasis on commercial supported by residential uses.

MU-2: General Mixed Use

Applied to western Town Center, Halsey neighborhoods.

Emphasis on residential supported by commercial uses.

Calls for varied housing types, a mix of renters and owners.

MU-3: Urban Mixed Use

Developed for the unique Confluence Site.

Variety of housing types and "anchor" businesses.

Allows for taller buildings (75 ft.) and modern designs.

FIG NUM. 21

Summary of proposed mixed-use zoning districts

Source: Brendan Irsfeld with source data from Steve Neumaier, Adam Tate, and Anton Wilkins

- **Goal 9, Economic Development:**

Students identified emerging trends such as the risks posed by climate change and suggest a commitment to creating "green collar jobs." With an energy-efficient and less wasteful economy, students hope Troutdale's quality of life will be preserved. Students also emphasized "industrial clustering" or encouraging

related businesses in a supply chain to locate near each other. Highlighting the increasing need for data processing capacity, students outlined how Troutdale could leverage its competitive advantages in available industrial land as well as support emerging micro-retail businesses who could take advantage of the benefits data centers provide a 21st century economy.

Prospective Zoning

- MU-1 Downtown Mixed Use
- MU-2 General Mixed Use
- MU-3 Urban Mixed Use

 Downtown Design District

NOTE: All MU-1, MU-2, and MU-3 would be considered to be within a Mixed Use (MU) land use designation.



FIG NUM. 22

Proposed overlay of MU zones in Troutdale town center

Source: Steve Neumaier, Adam Tate, and Anton Wilkins

SPRING 2021

Fire Hazard Resilience and Wind Energy Development

Class: Land Use Law (LAW 668)
Faculty: Sarah Adams-Schoen



FIG NUM. 23
Source: climatechange.lta.org

PROJECT SUMMARY

According to *Climate Change in the Northwest* (2013), temperature averages between 1971 and 2011 across the Pacific Northwest have generally exceeded the 20th century average. Variations of temperature between areas can dramatically affect atmospheric pressure, which can contribute to general wind conditions. Troutdale is renowned for having particularly strong east winds during colder months of the year, due in part to the dynamics of the Columbia River Gorge and the climatic differences between western and central regions of Oregon and Washington. Troutdale is also especially prone to winter icing, seasonal flooding, and wildfire threat. Land use law students evaluated the City's land use laws relating to fire hazard resilience and small- and medium-scale wind energy development, and created proposed amendments to those regulations.



FIG NUM. 24
Rooftop wind turbine

RECOMMENDATIONS AND KEY OBSERVATIONS

Fire Resilience

1. Adopt a fire hazard overlay zone and supplemental regulations that balance the need to reduce the spread of fire to and from structures, preserve natural habitat, and establish benchmarks for maintaining vegetation. Regulations for setbacks and perimeters, vegetation, and building materials are suggested.
2. Implement a Wildland Fire and Hazard Mitigation Plan, limiting housing in vulnerable areas, engaging the community in evacuation planning, and updating emergency responder access.
3. Create a Natural Disaster Advisory Committee to engage and educate citizens about wildfire and other natural hazard risks and provide public input regarding natural hazard mitigation strategies and tradeoffs.
4. Adopt intergovernmental agreements between the City and the communities within the area's fire district.
5. Update the City's code to facilitate enforcement of wildfire mitigation measures.
6. Pursue grants (FEMA, Oregon Department of Forestry, etc.) to fund wildfire hazard planning and programming.

SMALL- AND MEDIUM-SCALE WIND ENERGY

1. Adopt a wind energy ordinance to:
 - a. Facilitate economical, efficient and appropriate development of small- and medium-scale wind energy systems,
 - b. Increase the City's contribution to the regional and state renewable energy portfolios,
 - c. Decrease greenhouse gas emissions, air and water pollution, and reliance on fossil fuels,
 - d. Increase the City's and residents' energy independence, and
 - e. Increase the City's ability to affect energy siting decisions on larger scale facilities that would impact the City but are outside of the City's regulatory authority.
2. Adopt wind energy development regulations that balance the benefits from small- and medium-scale wind with their impacts by protecting open space and sensitive areas such as flood hazard areas, vegetation corridors, and slope districts from inappropriate wind energy development
3. Annotated ordinances for small- and medium-scale wind energy systems tailored to Troutdale; relevant zoning and permitting considerations; relevant state laws; information on state tax incentives, net metering, and funding resources; suggested best practices; wind codes adopted in other Oregon cities; case studies of relevant national examples; and FAQs are provided.

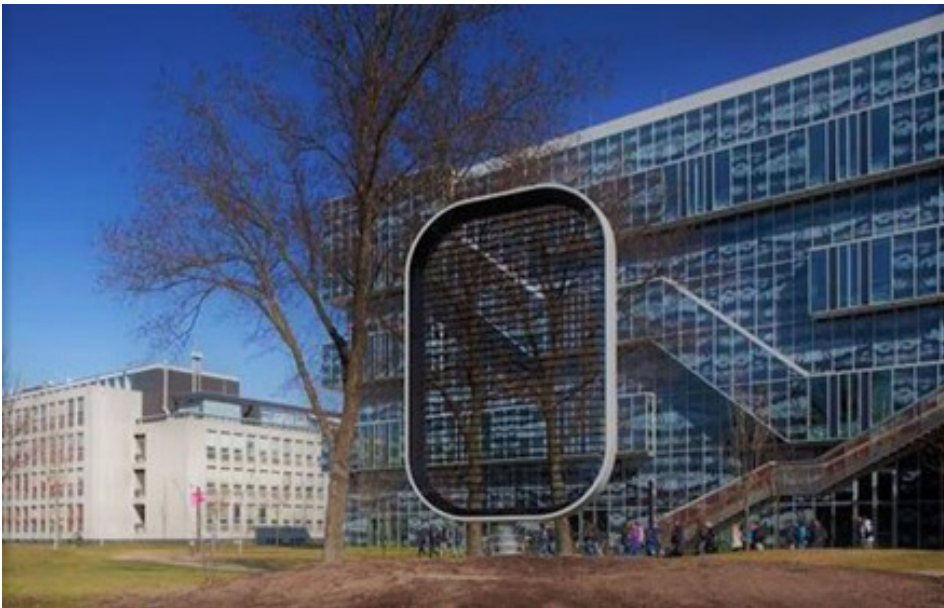


FIG NUM. 25

Solid state wind energy conversion system

Revitalizing the Overlook Tract Design Studio

Class: Architecture Design Studio (ARCH 683)

Faculty: Jerolim Mladinov



FIG NUM. 26

PROJECT SUMMARY

The City is revitalizing Opportunity Site 7 (the Overlook Tract), a 4.3-acre area identified in the city's Town Center Plan. The site has recently been acquired by Home Forward, a Portland-based organization with the mission of building affordable housing, within the next few years. Operating between two different scales, the scale of the city/public realm and the scale of a home/domestic environment, this studio explored how to create dynamic and

inclusive urban environments and their relation to housing typology. The studio began with student teams developing an urban design analysis, followed by site-based recommendations that acknowledge the site's opportunities such as proximity to downtown, and constraints such as slopes and access. Students developed multi-story floor plans and site designs. Among other elements, students incorporated sustainability features into their designs and materials selection.

WALKABILITY

TROUTDALE AIRPORT
 8 MINUTES BY BUS
 5 MINUTES BY BIKE

AMAZON WAREHOUSE
 13 MINUTES BY BUS
 8 MINUTES BY BIKE

SHOPPING CENTER
 6 MINUTE WALK
 2 MINUTES BY BIKE

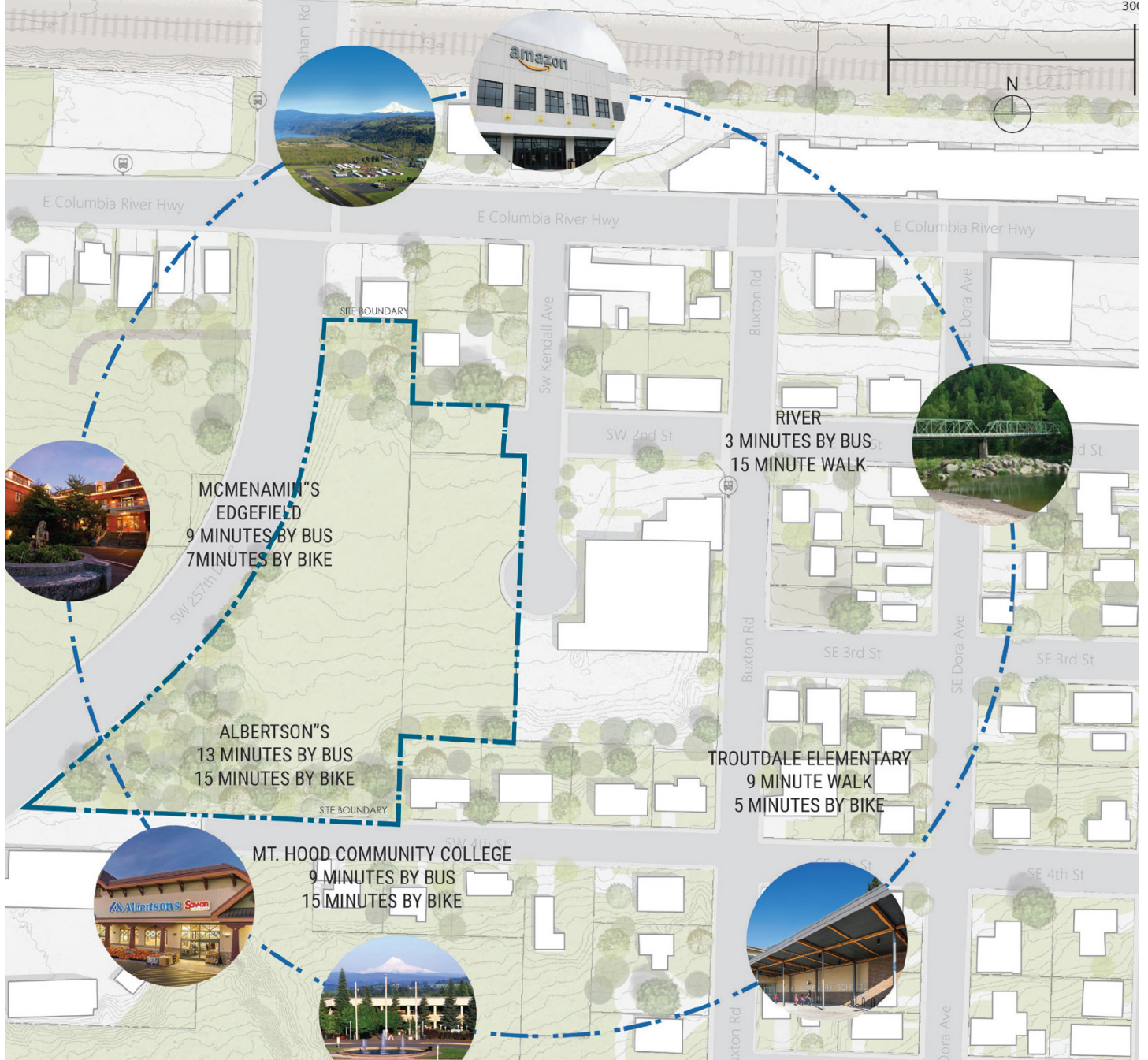


FIG NUM. 27

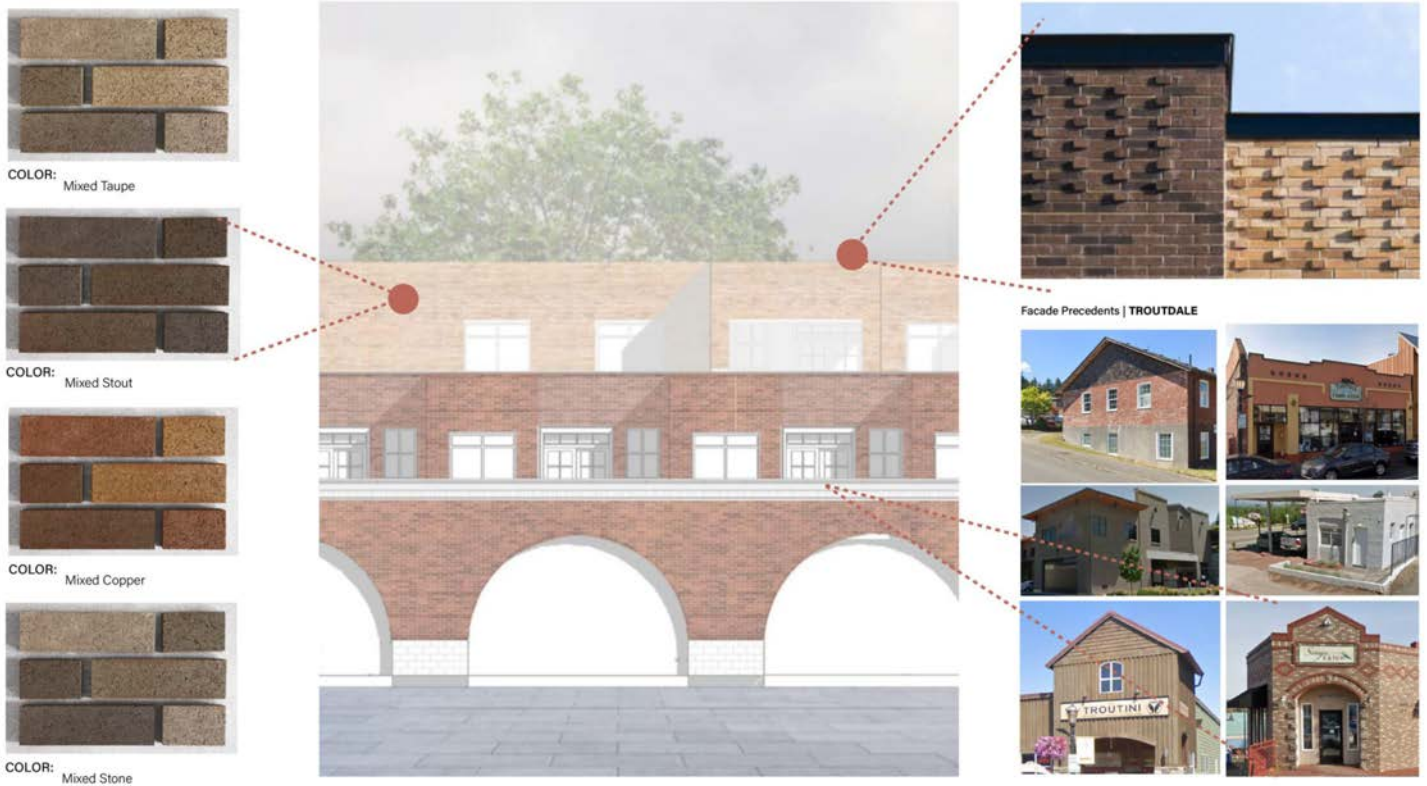


FIG NUM. 28

RECOMMENDATIONS AND KEY OBSERVATIONS

Students propose to serve seniors, single parents, low-income families, and those groups disproportionately affected by poverty with their development. Overarching design goals include: preserving the small town feel, creating a unique gateway to Troutdale, designing a multi-generational development, and providing privacy. Some of the specific elements to achieve these goals include:

- Appropriate materials such as brick, stone, and wood with neutral and natural gabled roofs
- No large blank walls or large expanses of glazing
- Use of porticos, porches, balconies, dormers, and bay windows to articulate the building facades; use of exposed beams, trusses, and other structural details, including ornamental trim on openings and roof
- Low roof heights and soft archways
- Reduced number of required parking spaces since the site is near transit, will house elderly residents, and will include studio units
- Community benefits on the site include dog parks, playground equipment, sports fields, a food plaza, food trucks, and a farmers market



FIG NUM. 30



FIG NUM. 31

COMMUNITY CENTER



STUDY LOUNGE



EVENT SPACE



LIBRARY



P.C LOUNGE

FIG NUM. 32



FIG NUM. 33



FIG NUM. 34



FIG NUM. 35

Troutdale Hazard Vulnerability Analysis Project

Class: Advanced GIS (PPPM 495/595)

Faculty: Yizhao Yang

PROJECT SUMMARY

Global climate change has increased the frequencies and the severity of communities' exposure to natural hazards. Communities in the Pacific Northwest have become increasingly vulnerable to such hazards as wildfire, flooding, landslide, and earthquake. Risk assessment is a necessary step

in a community's effort to devise effective and efficient hazard response strategies. Advanced GIS students helped address Troutdale's goal of understanding potential hazards and the social vulnerability associated with such risks by collecting data and analyzing the potential for hazard susceptibility in the City.

Employing a variety of methods to inform their research, students:

- Conducted a literature review of selected hazard plans
- Collected and analyzed U.S. Census and GIS data
- Collated input from City planning staff and other professionals in related fields

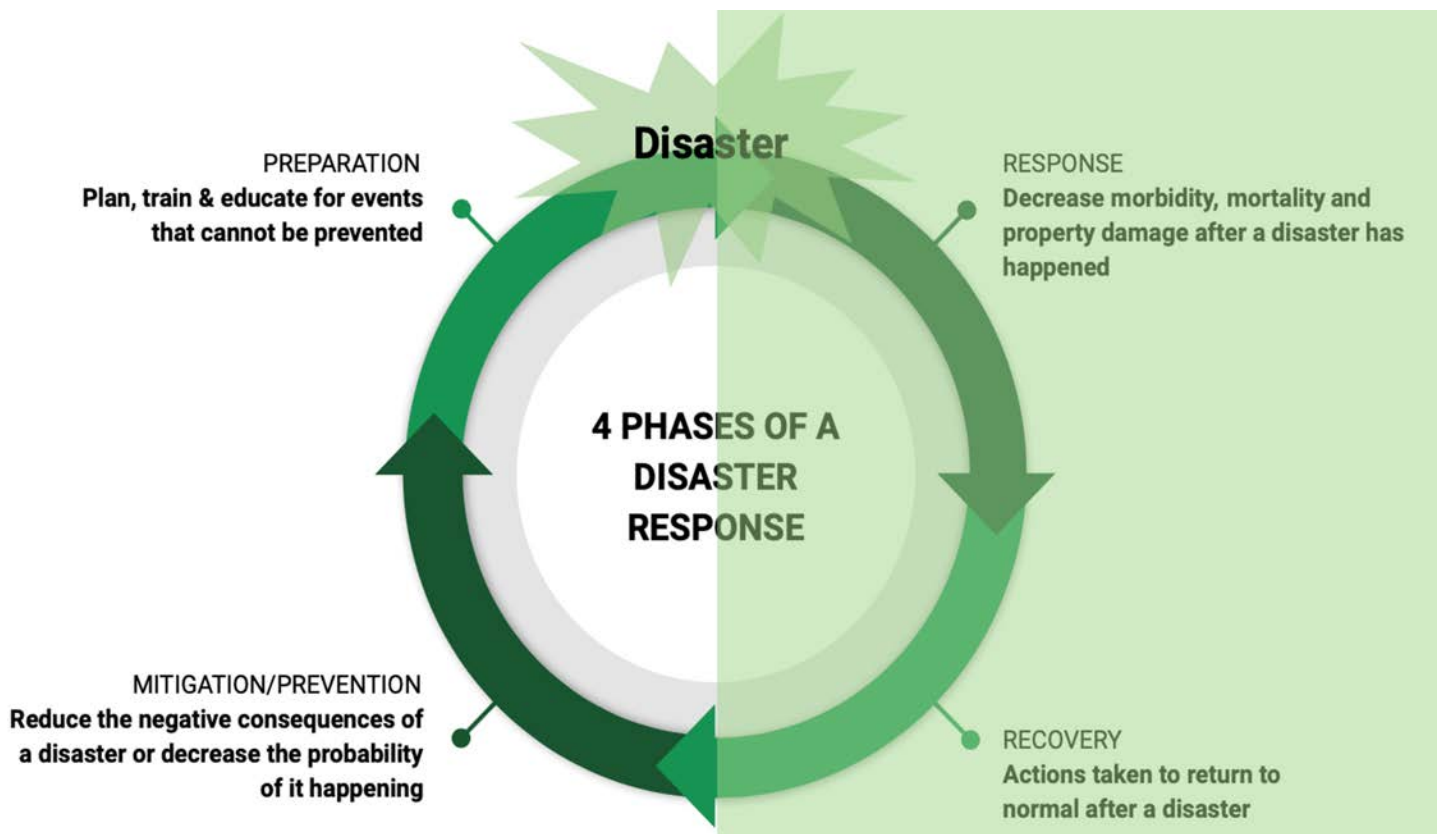
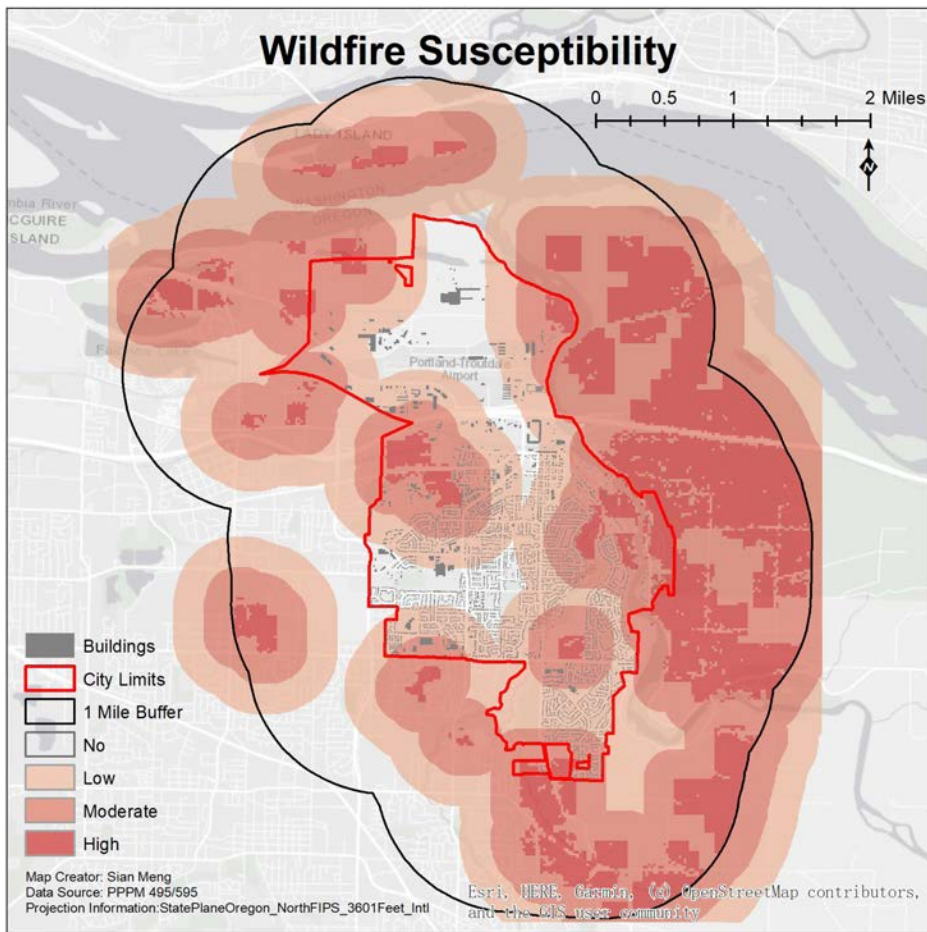


FIG NUM. 36

4 Phases of a disaster response



Students overlaid two input factors – hazards and assets – to map the areas where risks exist. They then studied the potential physical, economic, and social impacts on those areas from various hazards by inventorying affected facilities and estimating possible property value loss. The location of socially disadvantaged populations in relation to the risk areas were also examined to identify places of high vulnerability.

FIG NUM. 37
 Wildfire susceptibility map

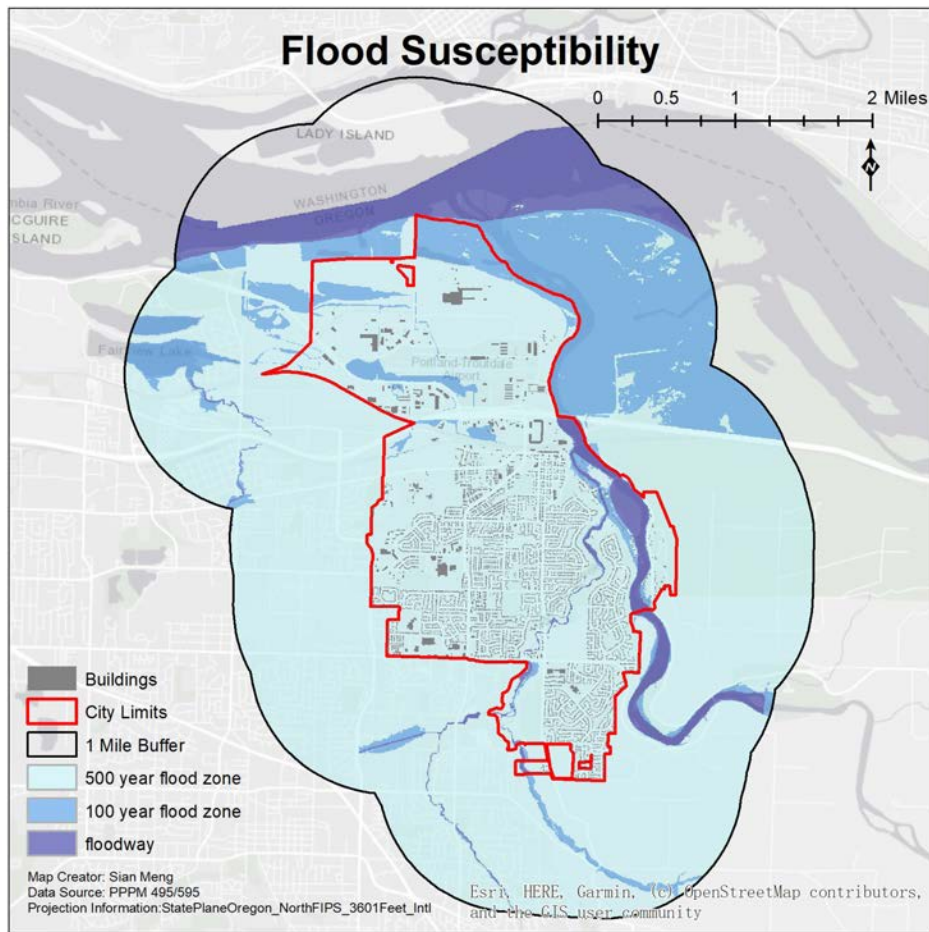


FIG NUM. 38
 Flood susceptibility map

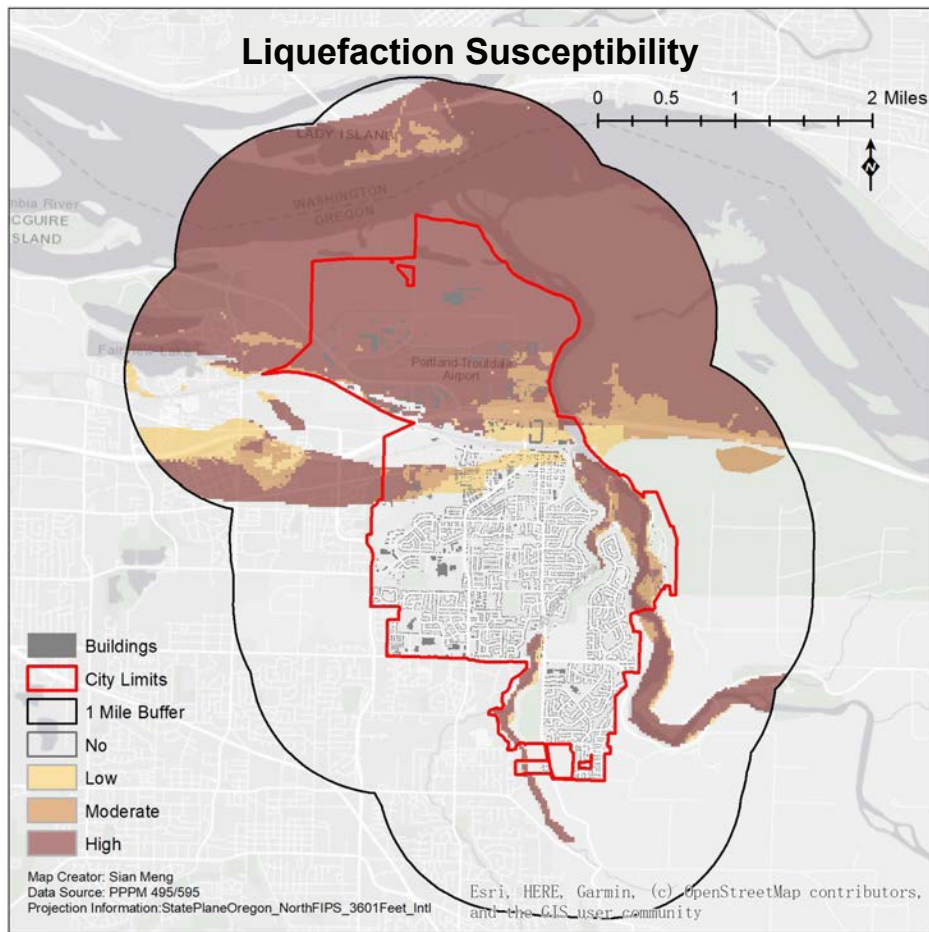
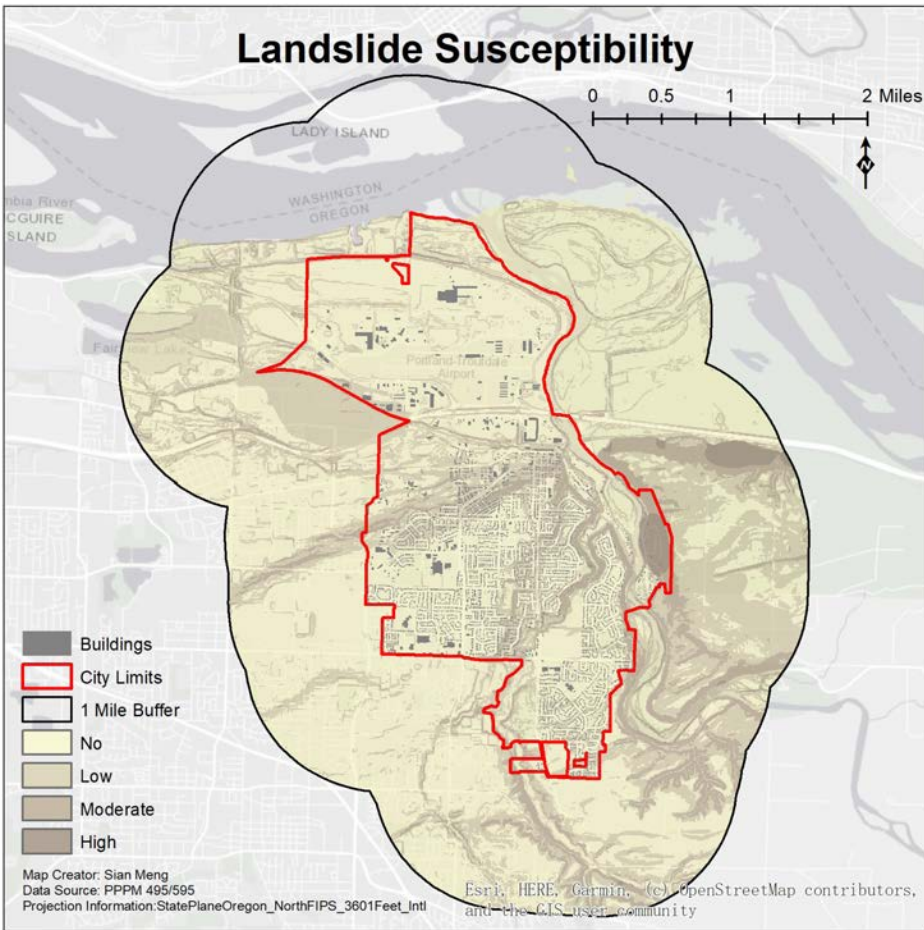


FIG NUM. 39
 Earthquake liquefaction susceptibility map



RECOMMENDATIONS AND KEY OBSERVATIONS

- Align City-level efforts with existing plans such as the Multnomah County NHMP, Oregon Resilience Plan, Greater
- Portland Inc CEDS (economic resilience)
- Use fire risk awareness to increase awareness and preparation for other hazards
- Align hazard mitigation for chronic hazards with actions that would increase Troutdale's resilience, preparation, and mitigation against catastrophic hazards

FIG NUM. 40

Landslide susceptibility map

SPRING 2021

Bicycle Transportation Improvements in Troutdale

Class: Topics in Bicycle Transportation (PPPM 438/538)

Faculty: Marc Schlossberg

PROJECT SUMMARY

The city of Troutdale is situated on the eastern edge of the Portland metropolitan region and the western edge of the Columbia River Gorge with immediate access to the famous Columbia River Gorge Scenic area. Troutdale's appealing and beautiful natural setting, miles of trails, and parkland and conservation areas draw residents and visitors alike. Building from these assets, the City is looking

to improve mobility in its Town Center district, adjacent residential areas, and the region. Part of this strategy is to improve bicycle-riding experiences.

Fifteen groups of undergraduate and graduate students considered and conceptualized a variety of bicycling-related projects, from a focus on site-specific to regional scale plans, to ideas for engaging the community and enticing cyclists to visit Troutdale.



FIG NUM. 41

Skill building track

Main Street & SE Dora Ave

Now:



Our Design:



FIG NUM. 42

Queue boxes with bike lane

Main Street & Buxton Rd

Now:



Our Design:



**RECOMMENDATIONS
AND KEY OBSERVATIONS**

Project recommendations included: ideas for cycling infrastructure that connects Edgefield with Glenn Otto Park; a spectrum from creative to practical adjustments to 2nd Street,

“Main” Street, and Glenn Otto Park; ideas for a variety of community events; and a travel magazine/ brochure that highlights how Troutdale could transform into the region’s bicycling capital.



FIG NUM. 43
Bike parking designs

Policy Review of Mobile Food Facility Regulations

Class: Land Use Policy (PPPM 610)

Faculty: Yizhao Yang



FIG NUM. 44

Three types of policies by spatial dimension

PROJECT SUMMARY

Mobile Food Facilities, or MFFs, often known as food trucks or food carts, have become an increasingly popular dining option across the country (Food Truck Nation). MFFs can add vitality to small local businesses; bring activity, interest, and vibrancy to streets or open spaces; and expand dining options in areas underserved by traditional restaurants. The City has conflicting standards for mobile food vendors

and inadequate standards to properly consider placement of food cart pods. Students collaborated with Troutdale staff to investigate options to diversify local dining options, creating a sense of place through intentional investments using a limited amount of developable land, and mitigating impacts to the City's public infrastructure system.

Using national standards and relevant case studies as guidance,

students completed an in-depth and strategic review of existing codes and policies focused on MFF. Students created a framework for their review, including general location restrictions, place-based regulations, and regulations outside a city's development code. Students then evaluated how each type of regulation affects four policy areas including economic activities, public space, public safety, and public health.



ECONOMIC ACTIVITY

This policy area describes how regulations for food carts work to support economic activity. Conversely, this policy area may also

Created by Stephanie2018
from Noun Project



PUBLIC HEALTH

This policy area describes regulations related to sanitation and food safety. This section also describes regulations that govern compliance with fire codes, waste-water disposal, trash, potable

Created by Paul Dethleff
from Noun Project



PUBLIC SPACE

This policy area describes regulations that govern restrictions on times of operation, rules on proximity to other uses, and place-

Created by Andrew Nohle
from Noun Project



PUBLIC SAFETY

This policy area describes regulations related to public/private property, proximity to schools or residential areas, and

Created by Martin Vancos
from the Noun Project

FIG NUM. 45
Four policy areas



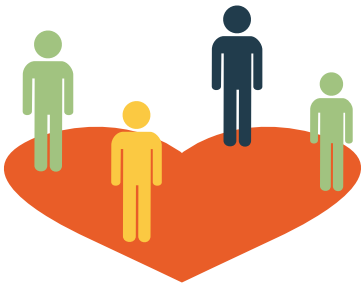
FIG NUM. 46
Stand-alone food carts and food carts pods



FIG NUM. 47
Stand-alone food carts and food carts pods

RECOMMENDATIONS AND KEY OBSERVATIONS

- **Definition:** simple and not be overly prescriptive
- **Code-related:** dedicated section specific to MFF; user-friendly zoning information; compliance that meshes with surroundings/neighborhoods; aligned with comprehensive and neighborhood plans; zoning and overlay districts as needed to appropriately locate MFFs; and regulations that have a direct nexus to land use and promote the health, safety, and welfare of the community
- **Outreach:** involve stakeholder groups in rule-making process
- **Permitting:** make information on permitting, parking, and fees clear and user-friendly
- **Siting:** allow MFF in industrial and commercial zones only (although it limits possible sites) and distinguish between public and private property
- **General:** locate MFF information in one location on the City's website



Civic Engagement

Explore Troutdale Strategic Communications & Outreach

Class: Public Relations Campaigns (J454)

Faculty: Dean Mundy

PROJECT SUMMARY

The city of Troutdale recently became a “Destination Marketing Organization” for the purposes of tourism promotion and visitor center responsibilities. As the “Gateway to the Gorge,” the City sought to capitalize on its numerous assets and promote its brand. The City wanted to build a new travel and tourism website and more

actively engage with the public through social media, such as on Instagram. Originally branded as “Travel Troutdale,” the City pivoted to “Explore Troutdale” to reflect its interest in reaching not only tourists but Troutdale residents. Two Journalism Public Relations classes helped Troutdale with marketing that focused on existing and future visitors, businesses, and residents.

<p>STRENGTHS</p> <ul style="list-style-type: none"> ● Gateway to Columbia River Gorge ● Activities available for most ages ● Year-round activities ● Most restaurants have take-out options ● An abundance of nature-oriented activities for all seasons ● Large artist community ● Historic town ● Viewpoints ● Community parks ● Recent City of Troutdale rebrand ● Museums ● Influx of prospective business owners 	<p>WEAKNESSES</p> <ul style="list-style-type: none"> ● Lack of retail shopping ● Not a popularly-known town ● Little social media content ● Social media accounts are not cohesive ● Lacking sustainability efforts ● Little diversity in business ownership ● Branding has yet to be established and used ● Lack of connection between businesses/community
<p>OPPORTUNITIES</p> <ul style="list-style-type: none"> ● Blog posts and travel guides for the website ● Photos/videos for social media (ex: TikTok, Insta, Twitter) ● City’s designated social media specialist ● Emphasize historic aspect of Troutdale ● Late Sept.–early Oct. is the best time to visit and Airbnb rates are lower ● Not overpopulated which is beneficial in COVID-19 times ● Plethora of outdoor space/parks to utilize ● Advertise <i>Envy Adventures</i> and <i>Rare Earth Adventures</i> ● Various new businesses are opening ● Diversify visitors to expand audience ● Open art gallery ● Fall Festival of the Arts in September ● Local people/businesses for feature stories 	<p>THREATS</p> <ul style="list-style-type: none"> ● Weather ● COVID-19 restrictions ● Portland competition ● Price point for local goods ● Disconnect within the community and downtown ● No access to the city’s Instagram account ● City geared toward 45+ audience—average resident age is 37

FIG NUM. 48

SWOT Analysis

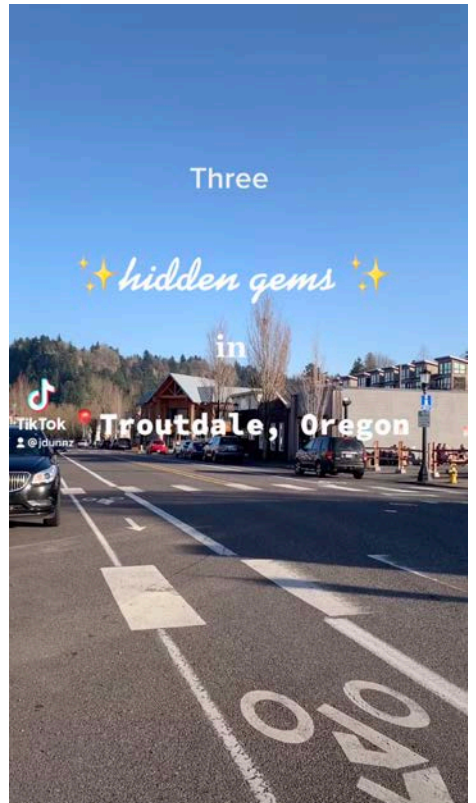
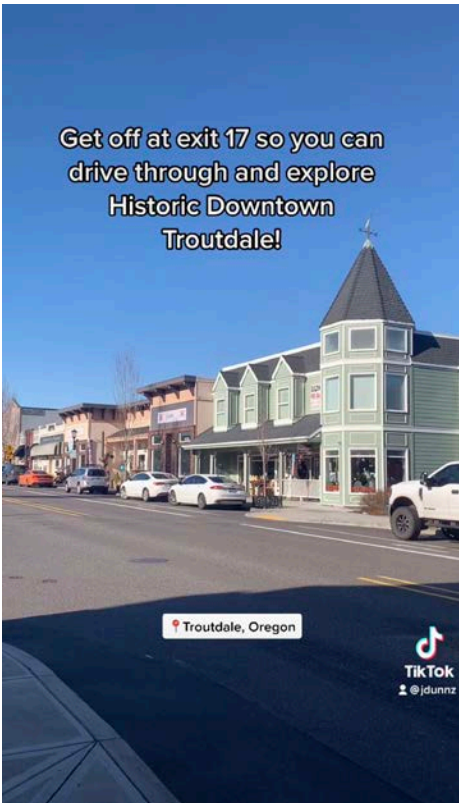


FIG NUM. 49
TikToks promoting visiting Troutdale

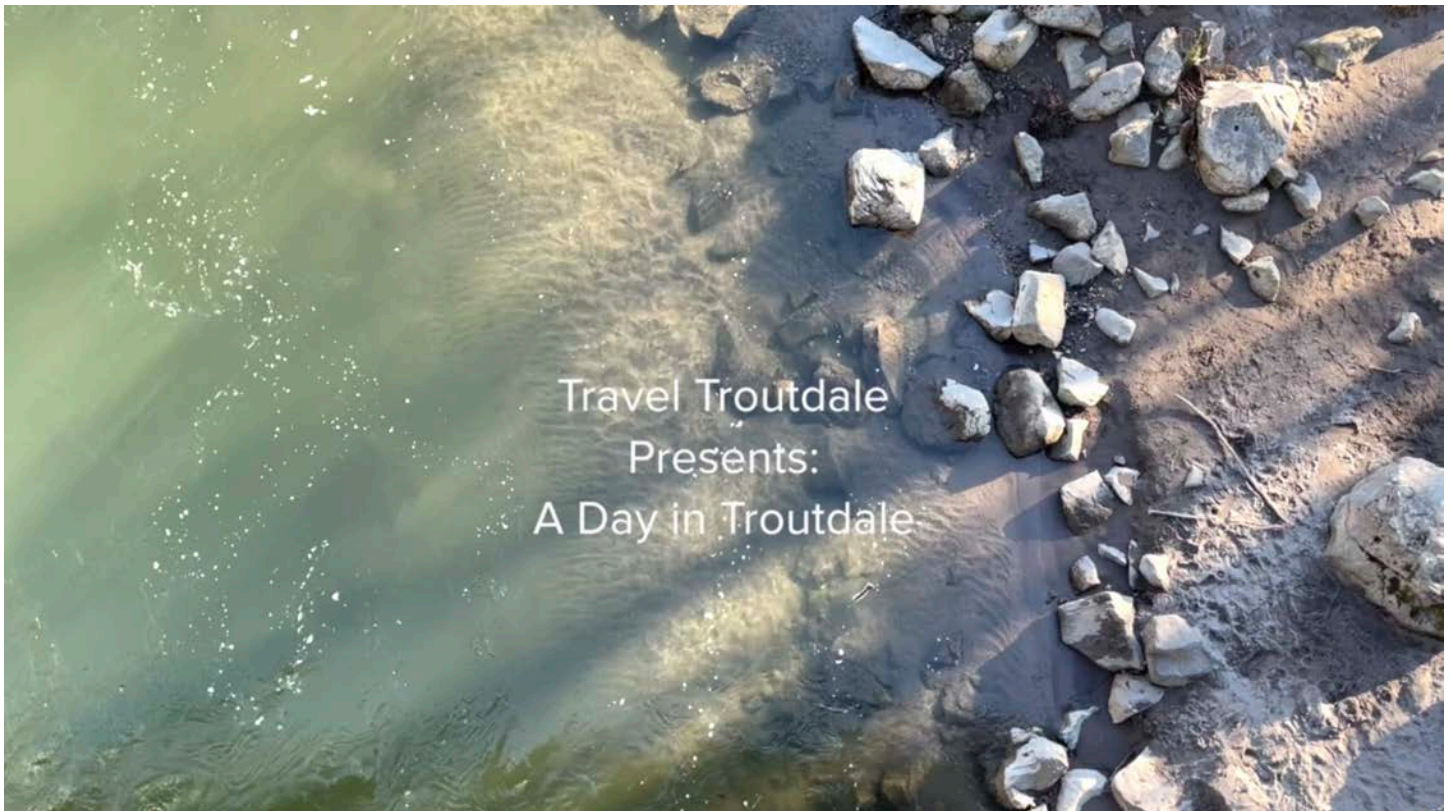


FIG NUM. 50

Travel troutdale promotional video

Created by School of Journalism and Communication student, Lily Nicole

RECOMMENDATIONS AND KEY OBSERVATIONS

After conducting research and defining its primary and secondary publics, students began with a social media focus to influence people to visit, stay, or move to Troutdale. In addition to creating visual and written content for social media and the Explore Troutdale website, students developed various “how to” guides to assist in content management and production post-

project. The students’ research, planning, content, guides, and additional recommendations for future implementation will ideally provide Troutdale with an array of tools and tactics to meet its goals and communications needs. Students also suggested specific tips to be successful with city social media, such as consistency, focused messaging, analyzing results, and partnering with influencers.

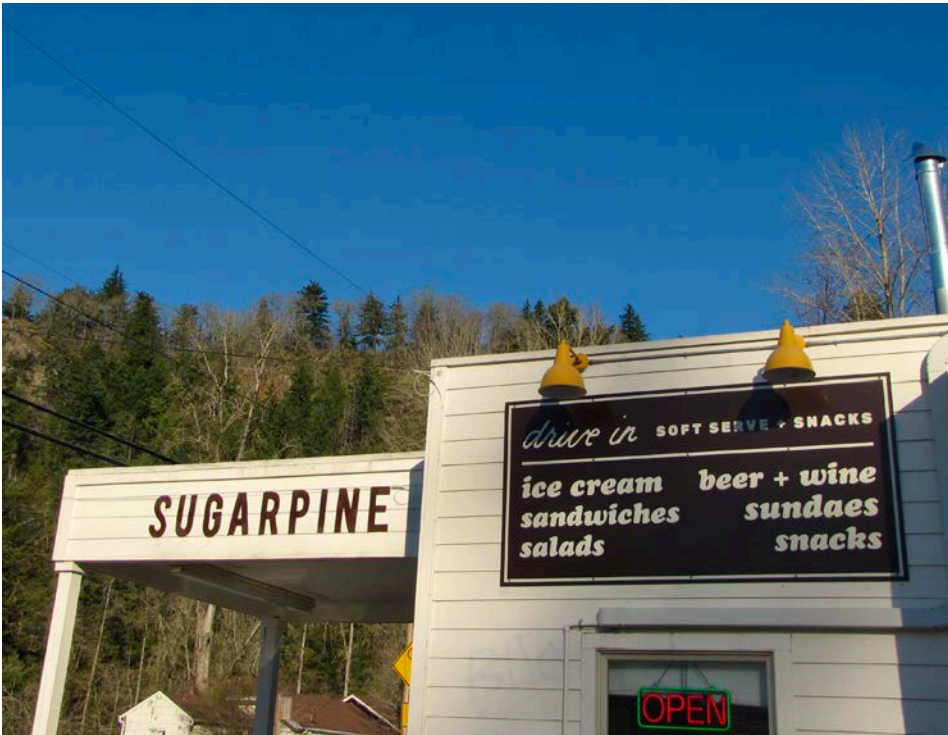


FIG NUM. 51
Sugarpine Drive-in

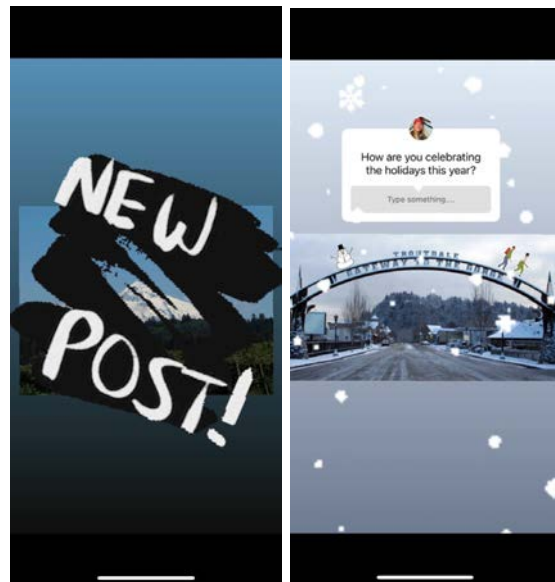
FIG NUM. 52
Glass art in Troutdale



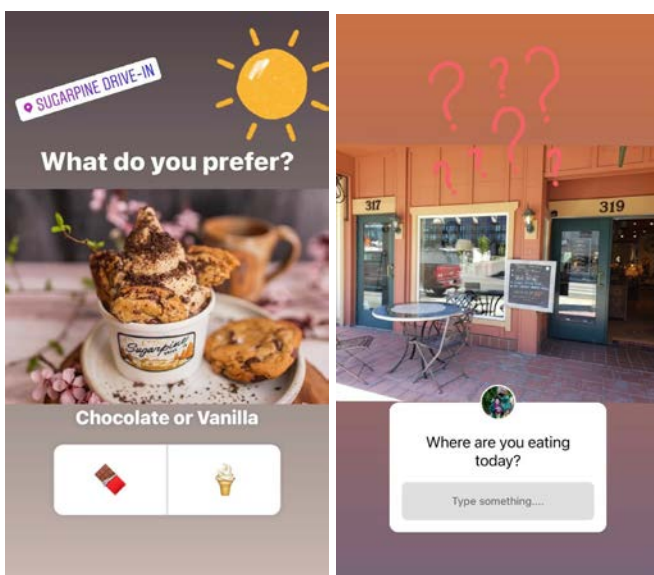
Stories are great for:

- Announcements
- Collaborations
- Story Highlights
- Polls
- Questions
- Reaction Slider
- Countdowns
- Links
- Story Templates
- Location Stickers
- Hashtags
- New Posts
- Contests
- Live stream videos

Adventure (outdoors):



Food & Drink:



Shop (Local Businesses):





FIG NUM. 54
Possible social media icons

Cascadia Arts Association Strategic Planning

Class: Nonprofit Consultancy Capstone (PPPM 620)

Faculty: Dyana Mason

PROJECT SUMMARY

Cascadia Arts Association is Troutdale's recently formed regional arts organization. Previously nested under the area's chamber of commerce, the new nonprofit formed to: 1) develop additional opportunities for artists; 2) become part of, grow, and support the local network of art-based organizations; and 3) to build and successfully sustain the art shows and projects that were historically done, primarily in Troutdale. The Cascadia Arts Association sought help with a five-year strategic plan that would enable them to develop, implement, and sustain their organizational goals, such as a membership growth plan, fundraising plan, financial plan, management of current programs and events, potential partnerships, and a timeline for their necessary tasks.

Nonprofit Management students helped Troutdale's new nonprofit, Cascadia Arts Association (CAA), with the following question, "What are best practices for developing the first strategic plan for a newly formed arts nonprofit?" Students conducted a focus group with seven CAA Board members, conducted a survey of the East Multnomah County Arts Community, and analyzed strategic planning content from other arts alliances.

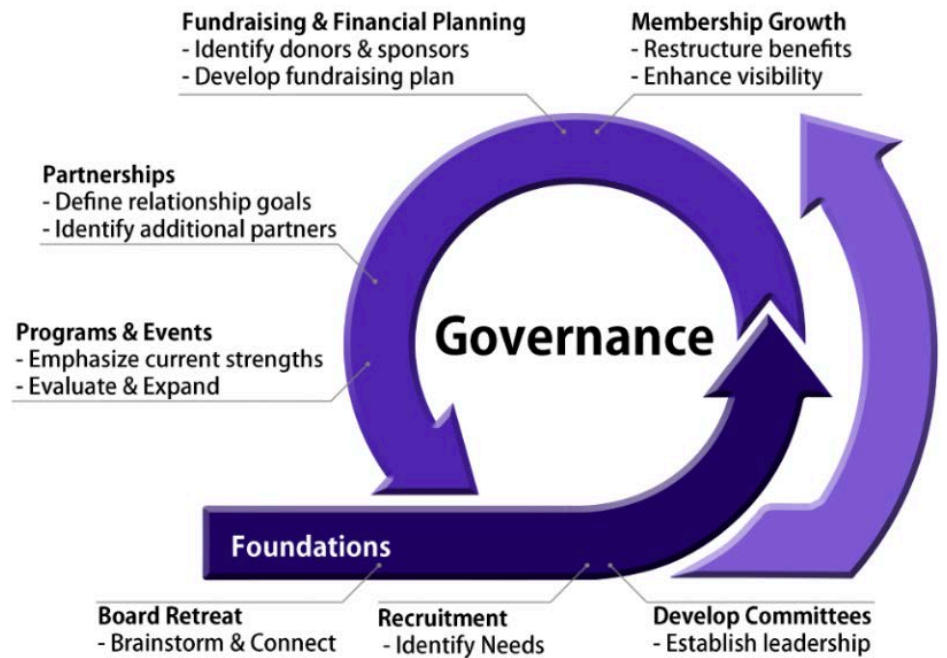


FIG NUM. 55

Building a Sustainable Arts Organization: Laying the Foundation for Strategic Growth

THE NONPROFIT LIFECYCLE



FIG NUM. 56

The Nonprofit Lifecycle



FIG NUM. 57

A statue of a little boy and his dog in Troutdale titled "Hitchin' a Ride" by Carolyn Williams.



FIG NUM. 58

Caswell moose sculpture

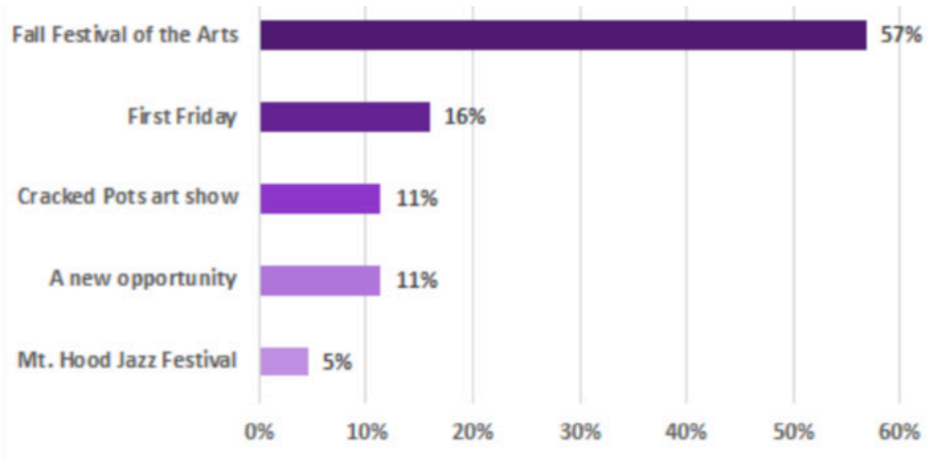


FIG NUM. 60
Events that excite artists and community members

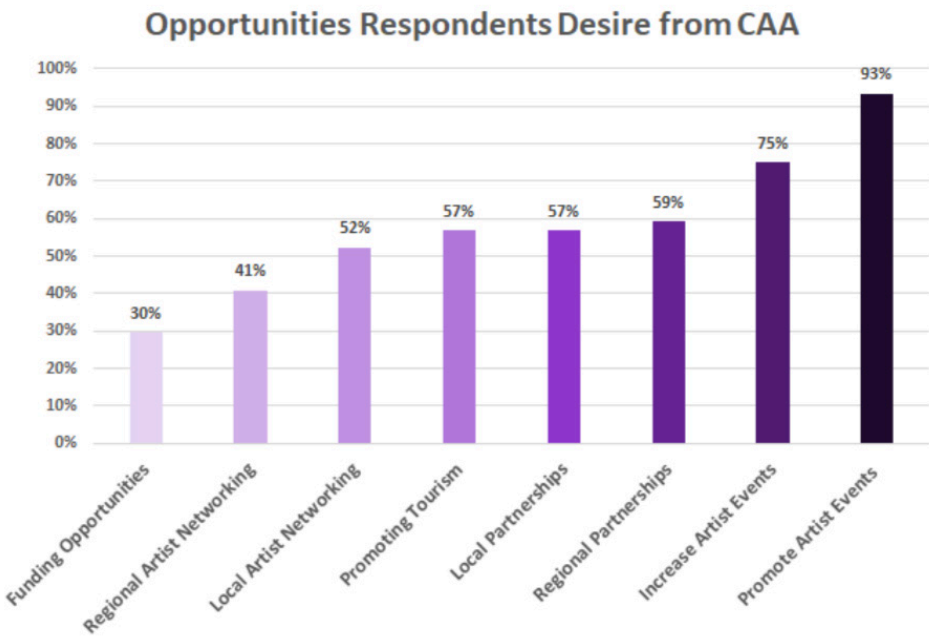


FIG NUM. 59
Artist and community members' desires from CAA



FIG NUM. 61
Fall Festival of the Arts logo

FALL FESTIVAL OF THE *Arts* HISTORIC TROUTDALE

RECOMMENDATIONS AND KEY OBSERVATIONS

Students identified CAA's organizational strengths, such as collective passion for the arts and Troutdale, structures that are in place (by-laws, budgets, etc.), a mission-centered focus, and proven adaptability and resiliency. They also noted: **1)** the City's partnership with CAA is an asset to the nonprofit's growth and development,

2) cross-promotion and coordination of services is critical for future partnerships, and **3)** the Fall Festival of the Arts ignites excitement. Recommendations include: **a)** scheduling a CAA Board retreat where Board job descriptions are updated and completing a Board development matrix; **b)** Implement a Board recruitment strategy based on the Board development matrix and focus on skill and expertise gaps.



Public Policy

Downtown Improvements: Special District Recommendations

Class: Public Budget Administration (PPPM 629)
Faculty: Rebecca Lewis

PROJECT SUMMARY

The city of Troutdale wanted to examine the Town Center area to assess the viability of an Economic Improvement District and/or Business Improvement District (EID/BID) as a funding tool to support the annual operations of a Main Street organization. To evaluate this, students calculated the financial yield of available funding options; provided recommendations for

tax rate and revenue sources; and evaluated whether revenue sources are equitable, efficient, neutral, and productive. Students also reviewed relevant case studies.

Using Troutdale's goals for an EID/BID program, as well as insights from the case studies, students estimated expenditures for the first five years of Troutdale's EID/BID program, as well as funding

options to help meet that goal. The only option that reaches estimated expenditure goals is an EID based on square footage of the lot. However, there may be external or political factors that need to be considered. Students included tax rate options that could be further analyzed to determine which option or options best suit the goals and the needs of the Troutdale community.



FIG NUM. 62

Four points of the Main Street America Approach, 2020

Source: Main Street America <https://www.mainstreet.org/mainstreetamerica/theapproach>

Basic	Main Street	Main Street (Major)
<p>Services</p> <ul style="list-style-type: none"> • Cleaning = \$5,000 <p>Amenities</p> <ul style="list-style-type: none"> • 2x trash/recycling bin sets (spaced 250ft) = \$3,000 <p>Streetscape</p> <ul style="list-style-type: none"> • Site Preparation = \$0 • Paving = \$5,000 • Planting = \$0 • Streetscape Utilities = \$0 • Streetscape Structures = \$10,000 <p>Total = \$20,000/block or \$4,000/year over 5 years</p>	<p>Services</p> <ul style="list-style-type: none"> • Cleaning = \$5,000 <p>Amenities</p> <ul style="list-style-type: none"> • 2x trash/recycling bin sets (spaced 250ft) = \$3,000 • 2x benches = \$3,500 <p>Streetscape</p> <ul style="list-style-type: none"> • Site Preparation = \$66,000 • Paving = \$38,000 • Planting = \$18,000 • Streetscape Utilities = \$134,000 • Streetscape Structures = \$65,000 <p>Total = \$332,500/block or \$66,500/year over 5 years</p>	<p>Services</p> <ul style="list-style-type: none"> • Cleaning = \$5,000 <p>Amenities</p> <ul style="list-style-type: none"> • 2x trash/recycling bin sets (spaced 250ft) = \$3,000 • 2x benches = \$3,500 • Bus stop/shelter = \$11,500 <p>Streetscape</p> <ul style="list-style-type: none"> • Site Preparation = \$88,000 • Paving = \$118,000 • Planting = \$34,000 • Streetscape Utilities = \$233,000 • Streetscape Structures = \$184,000 <p>Total = \$680,000/block or \$136,000/year over 5 years</p>

FIG NUM. 63
Expenditure estimates

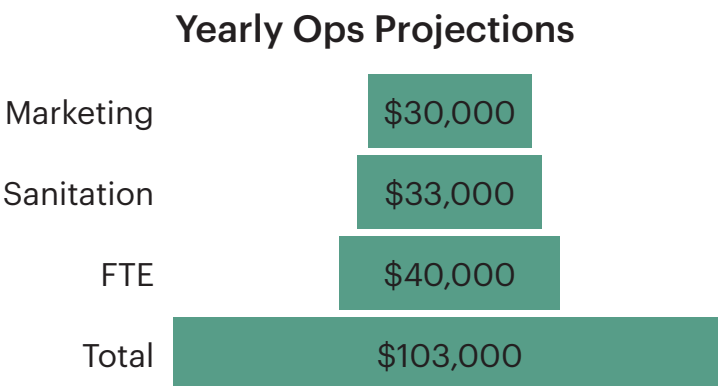


FIG NUM. 64
Yearly service costs from mixed funding sources

RECOMMENDATIONS AND KEY OBSERVATIONS

Using Troutdale's goals for an EID/ BID program, as well as insights from the case studies, students estimated expenditures for the first five years of Troutdale's EID/ BID program, as well as funding options to help meet that goal. The only option that reaches estimated expenditure goals is an EID based on square footage of the lot. However, there may be external or political factors that need to be considered. Students included tax rate options that could be further analyzed to determine which option or options best suit the goals and the needs of the Troutdale community.

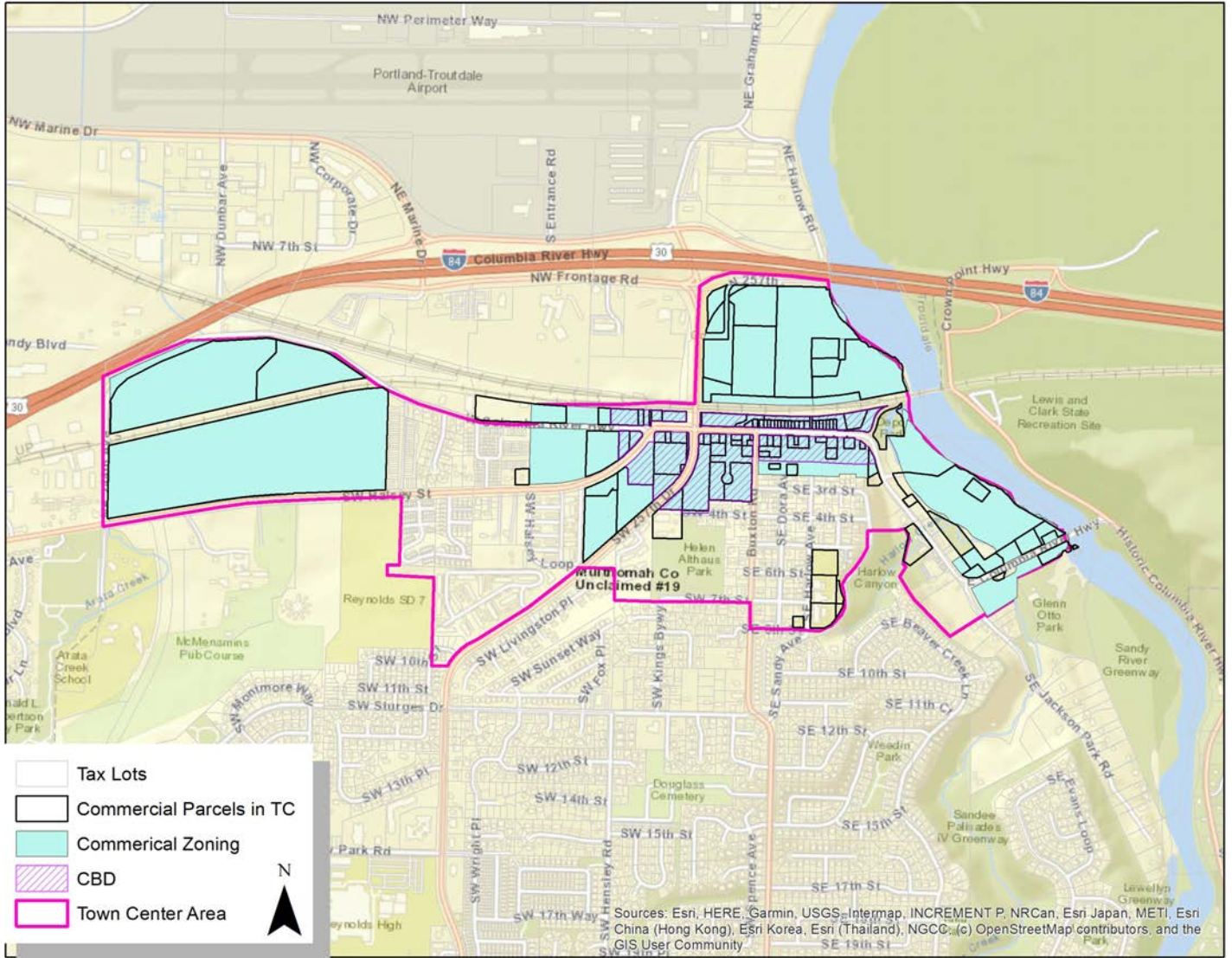


FIG NUM. 65

Map of the City of Troutdale's potential special district(s)

Source: Rebecca Lewis

Capital Improvement Planning Recommendations

Class: Public Budget Administration (PPPM 629)

Faculty: Rebecca Lewis



FIG NUM. 66

PROJECT SUMMARY

The city of Troutdale created an extensive list of potential projects as part of their Town Center planning efforts. Students examined and prioritized projects based on funding constraints and community goals documented in the City's capital improvement program. Students also reviewed relevant case studies.

RECOMMENDATIONS AND KEY OBSERVATIONS

Students recommended two different types of prioritization methods to determine how the City might invest in Town Center street projects to help fulfill the City's Town Center Vision. These methods both identified improvements to Halsey Street and the Historic Columbia River Highway between Depot Park and Glenn Otto Park as the highest priority for future capital improvement projects.

DEFINITIONS OF EVALUATION CRITERIA:

Horizontal Equity: Taxes that rank highly in equity impose costs and distribute resources fairly. Horizontal equity ensures that those in comparable positions pay the same or similar rate.

Vertical Equity: Those with a higher ability to pay, pay more.

Administrative Efficiency: A tax that is efficient is not costly to administer in terms of effort, money, or time and generate more revenue than it costs to collect.

Neutrality: A neutral assessment does not affect the decisions or distort the behavior of a community.

Productivity: A productive tax should produce stable and enough revenue to meet desired levels of expenditures.

Certainty: The rules of taxation should be clearly stated and evenly applied.

Source: Lewis, 2020

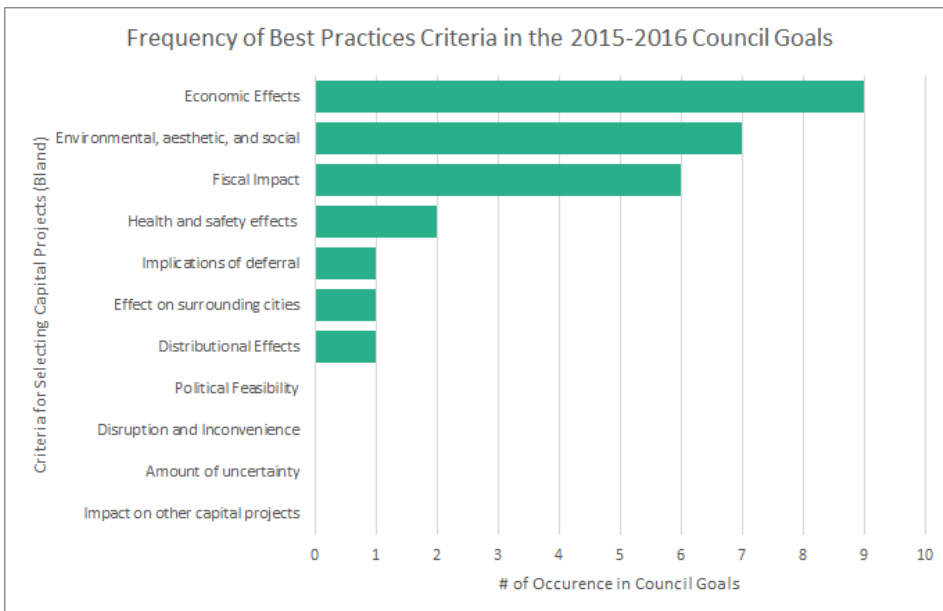


FIG NUM. 67

Frequency of capital improvement project selection criteria mentioned in 2015-2016 Troutdale city council goals

Source: Bethany Hays-Alsin, 2020, Troutdale City Council Goals, 2016, Bland 2020.

Criteria for selecting capital projects for inclusion in the CIP

1. **Fiscal impact:**
 - a. Capital costs for the current and future years, and potential for the proposed project to reduce future capital and operating costs or legal liability
 - b. Year-by-year estimates of the additional operating and maintenance (O&M) costs or reductions in these costs because of the new project
 - c. Year-by-year estimates of the revenue impact from the project (either increases or decreases due to loss of taxable property)
 - d. Impact on energy requirements (may be separated from O&M estimates if particularly high)
 - e. Potential legal liabilities and costs in undertaking or rejecting the project
2. **Health and safety effects:** Impact on traffic accidents, injuries, illness due to poor water quality, or health hazards due to sewer problems
3. **Economic effects:** Impact on property values, tax base, additional jobs, and the stabilization or revitalization of neighborhoods
4. **Environmental, aesthetic, and social effects:** Impact on the quality of life in the community, including noise, air, and water pollution, and impact on households, commuters, and recreational opportunities
5. **Disruption and inconvenience:** Estimated inconvenience or disruption to the public while the project is in progress
6. **Distributional effects:** Impact on various geographical areas and on residents of low- to moderate-income areas or on other disadvantaged groups in the community
7. **Political feasibility:** Extent of public support for the project, compatibility with the master plan, and whether the project is a continuation of an earlier effort
8. **Implications of deferral:** Impact if the project is deferred because of insufficient funds, including higher future O&M costs and inconvenience to the public
9. **Amount of uncertainty:** An educated guess of the likelihood that changes will occur in any of the foregoing factors, such as the cost of the project
10. **Effect on surrounding cities:** Possible beneficial or adverse effects of the project on surrounding cities or quasi-governmental agencies
11. **Impact on other capital projects:** Possible beneficial or adverse impacts of the project on other projects—for example, the need to install new underground water and sewer pipelines precipitated by a street resurfacing project

FIG NUM. 68

Best practices criteria

Source: Bland, 2017

Source: Adapted from Annie Millar, "Selecting Capital Investment Projects for Local Government," *Public Budgeting & Finance* 8 (Autumn 1988): 66–68.

Finance, Economics, and New Mobility: Topics in Transportation Policy

Class: Transportation Policy (PPPM 410/510)
 Faculty: Anne Brown



FIG NUM. 69

Proposed Daily Parking Rates for Residents				
Local Patrons	Low	Medium	High	Summer Pass (2 hr/day)
Residents	\$0	\$2	\$5	\$20
Low-income Residents	\$0	\$0	\$0	\$0
Proposed Hourly Parking Rates for Residents				
Local Patrons	Low	Medium	High	Summer Pass (2 hr/day)
Residents	\$0	\$1	\$2	\$20
Low-income Residents	\$0	\$0	\$0	\$0
Proposed Daily Parking Rates for Non-Residents*				
Non-Residents	Low	Medium	High	Summer Pass
Monday-Friday	\$5	\$7	\$10	Not Available
Saturday - Sunday	\$6	\$10	\$12	Not Available
Proposed Hourly Parking Rates for Non-Residents*				
Non-Residents	Low	Medium	High	Summer Pass
Monday-Friday	\$2	\$3	\$4	Not Available
Saturday - Sunday	\$3	\$4	\$5	Not Available

*Attendees with low income will not be required to pay parking fees.

FIG NUM. 70

Proposed daily parking rates for residents

Source: Lindsay Cook and Aliza Whalen

PROJECT SUMMARY

Students conducted a survey of transportation policy-related considerations and explored the topics of transportation finance; travel economics; and new mobility and autonomous vehicles. Students researched best practices, case studies, and recommended new policy and practical applications appropriate for Troutdale’s context.



FIG NUM. 71

Downtown Troutdale looking east

RECOMMENDATIONS AND KEY OBSERVATIONS

Students noted that there is a significant amount of crossover between the three topics, suggesting that different areas of transportation policy do not operate independently and that transportation solutions will need to be multi-faceted. Specific recommendations by topic include:

- **Transportation Finance:** Students investigated Troutdale's current funding mechanisms such as the Oregon Highway Trust Fund and local gas tax, and ultimately recommended pricing parking, implementing payroll taxes, increasing the current systems development charge rates, raising the local gas tax, and enacting a street utility fee to enact more secure and sustainable transportation funding.
- **Transportation Economics:** Students researched transportation economics specific to alleviating congestion in Glenn Otto Park, beginning with a review of current conditions, an analysis of congestion management literature, and existing parking pricing approaches at similar recreation areas. Students advocated for a tiered parking fee with varying rates for residents and non-residents. Specific dollar amounts of the fees are suggested, with Troutdale staff encouraged to make modifications to the pricing structure based on demand.
- **New Mobility:** Students reviewed the ways new mobility options will impact cities, specifically suburban cities like Troutdale, in three key areas: **1)** autonomous vehicles, **2)** micromobility, and **3)** ride-hailing. Recommendations include an autonomous vehicles corridor, an autonomous goods delivery service, a bikeshare program and hybrid micromobility system, and an expansion of ride-hailing, among other options.

Parking Fee Evaluation Matrix

Criteria	Rating	Rating Explanation
<p>Equity: Fee structure should facilitate park usage by various demographics. This is primarily achieved by assessing a parking fee to those who can pay the fee.</p>	Excellent	<ul style="list-style-type: none"> • Fee is benefits-based and addresses residents' ability to pay. • Price structure facilitates resident access to the park.
<p>Administration: Knowledge of parking policies and fee structure should be easily accessible to residents and non-residents. Fee collection should also be feasible and efficient.</p>	Good	<ul style="list-style-type: none"> • Fee collection and parking management efforts can be scaled to the city's desire and available resources. • Parking stickers may be issued by the city to differentiate residents from non-residents. Stickers can be mailed to residents. Or residents may opt to pick-up their sticker at a designated municipal building.
<p>Neutrality: Prices for parking should be comparable to other parks and recreation areas.</p>	Good	<ul style="list-style-type: none"> • The fee amount for non-residents is higher than nearby parks and recreation areas with river access. However, nearby parks with river access do not offer lifeguard services.
<p>Certainty: Parking policies and fee structures should be easy to understand and applied fairly.</p>	Excellent	<ul style="list-style-type: none"> • Information and initial notification about fee implementation can be provided via mailers to residents, posted online, and signage in the parking lot.
<p>Convenience: Paying for parking at Glenn Otto Park should be simple</p>	Good	<ul style="list-style-type: none"> • Methods for collecting parking fees vary. Use of a fee payment box at Glenn Otto Park may be an easy and low-maintenance option. One potential drawback is this method of collecting payment relies on the honor system. More advanced approaches to collecting parking fee payments could require more administrative oversight and/or city investment in technology (i.e., parking meter).

FIG NUM. 73

Parking fee evaluation matrix

Source: Lindsay Cook



FIG NUM. 75
Glenn Otto Community Park
<https://www.troutdaleoregon.gov/>



FIG NUM. 74
Troutdale Summerfest in Glenn Otto Community Park

Parting Thoughts

The journey between SCYP and the city of Troutdale included many firsts—a fully remote year; new SCYP faculty in Law and Architecture focused on Troutdale, and a joint effort between planning and architecture students on the City’s affordable housing site. The year led to new discoveries for students, faculty, city staff,

and their partners. The journey of collaboration and creative problem-solving resulted in strategic, tactical, and visionary tools; designs; and policy recommendations on diverse topics, all of which Troutdale and its partners will use today as well as in the future as the City adapts to the challenges ahead.



2020-2021 SCYP Troutdale Faculty





Sarah Adams-Schoen, Assistant Professor
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SCYP Class: Land Use Law (LAW 668)



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SCYP Class: Intro Planning Practice (PPPM 611)



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SCYP Classes: Planning Analysis I (PPPM 613), Urban Transportation (PPPM 399), Transportation Policy (PPPM 410/510)



Ryan Cabinte, Instructor
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SCYP Class: Strategic Planning Project Capstone (MGMT 609)



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SCYP Class: Civil and Environmental Engineering (CE 484)



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Dyana Mason, Associate Professor
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SCYP Class: Nonprofit Consultancy Capstone (PPPM 620)



Jerolim Mladinov, Professor of Practice
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SCYP Class: Architecture Studio (ARCH 683)



Dean Mundy, Associate Professor
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SCYP Class: Campaigns (J454)



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SCYP Class: Human Settlements (PPPM 617)



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SCYP Class: Topics in Bicycle Transportation (PPPM 438/538)



Yizhao Yang, Associate Professor
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SCYP Classes: Advanced GIS (PPPM 495/595) and Land Use
Planning and Policy (PPPM 610)

Appendix A

SCYP Troutdale Report Links

FALL 2020

Revitalizing the Overlook Tract (Opportunity Site #7)

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26147>
PPPM 613 - Planning Analysis I
PPPM 611 - Introduction to Planning Practice
PPPM 617 - Human Settlements
Brendan Irsfeld, Author
Anne Brown, Assistant Professor
John Arroyo, Assistant Professor
Gerard Sandoval, Associate Professor

Downtown Improvements: Special District Recommendations

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26149>
PPPM 629 - Public Budget Administration
Emily Connor, Author
Rebecca Lewis, Associate Professor

Capital Improvement Planning Recommendations

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26148>
PPPM 629 - Public Budget Administration
Bethany Hays-Alsin, Author
Rebecca Lewis, Associate Professor

FALL 2020 AND WINTER 2021

Explore Troutdale Strategic Communications & Outreach

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26146>
J454 - Public Relations Campaigns
Siena Atkins, Author
<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26329>
J454 - Public Relations Campaigns
Jeredith Sands, Author
Dean Mundy, Associate Professor

WINTER 2021

Connecting Troutdale: Options for Future Transportation Choices

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26328>
PPPM 399 - Urban Transportation
Brian Josephson, Author
Clare Haley, Author
Rebecca Lewis, Associate Professor

Climate Adaptation Recommendations and Crosswalk

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26217>
Rachel Cohen, Author

Planning for a Vibrant Future: Land Use and Economic Development

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26326>
PPPM 646 - Growth Management
Brendan Irsfeld, Author
Rebecca Lewis, Associate Professor

Finance, Economics, and New Mobility: Topics in Transportation Policy

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26327>
PPPM 410/510 - Transportation Policy
Nick Keough, Author
Anne Brown, Assistant Professor

WINTER AND SPRING 2021

Engineering Capstone Designs

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26758>
<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26757>
<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26756>
<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26755>
CEE Capstone – Civil and Environmental Engineering
Capstone
Evan Kristof, Instructor

Troutdale Passenger Rail and Transit Feasibility Assessment

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26754>
MGMT 609 - Strategic Planning Project Capstone
Bill Aksnes-Shanks, Author
Athena Marquez, Author
Dan Uminski, Author
Ryan Cabinte, Instructor

Cascadia Arts Association Strategic Planning

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26743>
PPPM 620 - Nonprofit Consultancy Capstone
Emily Dale, Author
Jessica Hole, Author
Brittany Mattice, Author
Dyana Mason, Assistant Professor

SPRING 2021

Fire Hazard Resilience and Wind Energy Development

Link TBD
LAW 668 - Land Use Law
Sarah Adams-Schoen, Assistant Professor

Revitalizing the Overlook Tract Design Studio

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26751>
ARCH 683 - Architecture Design Studio
Katie Reifsnnyder, Author
Jerolim Mlandivov, Professor of Practice

Troutdale Hazard Vulnerability Analysis Project

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26752>
PPPM 495/595 - Advanced GIS
Sian Meng, Author
Lydia Caudill, Author
Yizhao Yang, Associate Professor

Bicycle Transportation Improvements in Troutdale

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26753>
PPPM 438/538 - Topics in Bicycle Transportation
Abby Gisler, Author
Daniel Little, Author
Marc Schlossberg, Professor

Policy Review of Mobile Food Facility Regulations

<https://scholarsbank.uoregon.edu/xmlui/handle/1794/26744>
PPPM 610 - Land Use Policy
Sian Meng, Author
Yizhao Yang, Associate Professor

Appendix B

Troutdale Press Book

The Sustainable City Year Program and City of Troutdale Take Experiential Learning to the Virtual Classroom

October 26, 2020

[Twitter](#) [Facebook](#)



The UO's [Sustainable City Year Program](#) (SCYP) and the City of Troutdale have launched a new partnership for the 2020-21 academic year.

Troutdale officials, city project partners, University of Oregon leadership, and students and faculty in architecture, journalism, planning, landscape architecture, law, public administration, and nonprofit management, as well as engineering from Portland State University, are collaborating to promote Troutdale for business, living, and visiting.

SCYP returns to the Portland region to partner with the City of Troutdale, a community of 16,000 located at the confluence of the Sandy and Columbia rivers. Now in its 12th year of partnerships with Oregon communities, [SCYP will connect Troutdale](#) with five fully remote courses for the first time ever. Planning for winter and spring classes is underway.

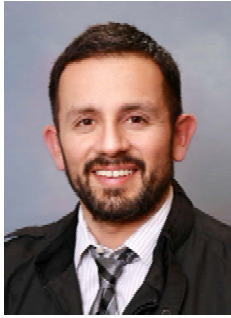
Students will work on a variety of projects, from affordable housing research and design to cottage cluster design standards. They will meet with and present solutions to city staff and community stakeholders virtually.

Through classroom work, applied learning assignments, and collaboration with the city, SCYP students will endeavor to help Troutdale achieve its goals. For example, one project will explore revitalizing a critical 4.3-acre site identified in the city's forthcoming Town Center Plan. Students will analyze the potential opportunities and challenges of revitalizing the site with affordable housing based on one of three key themes: climate change, housing insecurity, or racial justice.

The Sustainable City Year Program (SCYP) is a year-long partnership between the UO's [Sustainable Cities Institute](#) and a new partner in Oregon each year, for which students and faculty in courses from across the university collaborate with a public entity on sustainability and livability projects. SCYP faculty and students work in collaboration with staff from the partner agency through a variety of studio projects and service-learning courses to provide students with real-world projects to investigate.

THE TROUTDALE CHAMPION

JANUARY/FEBRUARY 2021



A Brand New Year Starts Now

"We've accomplished so many great and difficult things over the past four years, and every conclusion we've come to has been accomplished in the spirit of teamwork and community. Those are the values at the center of every decision we make."

Mayor Randy Lauer

What a year it has been! I guarantee that 2021 will be just as memorable as 2020 was, but I'm hoping for far better reasons.

If the previous year has taught us anything, it's that nothing is certain, and we shouldn't take anything for granted. Everything we do, everything we work for, as individuals or as a community, should be done in a manner that brings us closer together as friends, family, and neighbors and doesn't divide us. Not an easy task, I know, but it is one that I'm certain we're all capable of undertaking. Besides, we're going to need one another now more than ever.

As a city council, our task is not much different. We've accomplished so many great and difficult things over the past four years, and every conclusion we've come to has been accomplished in the spirit of teamwork and community. Those are the values at the center of every decision we make.

As your next Mayor, my goal is to lead the council in continuing the great work we've been doing by keeping the same focus and dedication on teamwork and community. It is my goal that every decision we make transcends the next four years and takes us into the future of our community with confidence and a sense of ease that can only be accomplished by a council and city staff that works together. I know we can do it because we've already been laying the groundwork for the next chapter of our city and I'm very excited for where we're going!

Another lesson 2020 has taught us is that our community misses and needs our small businesses. We've been so blessed to have them as a fundamental part of our city. We miss the freedoms of walking into our shops

and browsing; of peering into the heart and soul of our artists by shopping their works; of stepping into our coffeehouses and sipping some warm drinks; of eating snacks at our favorite little restaurants; and just strolling through our downtown streets freely and without fear. My hope is that our small businesses survive this pandemic and come out stronger for it. But they can't do it without us, and they can't do it unless we work together. So, if you're capable and willing, I ask that you try to shop locally as much as possible, and join me in doing our part to ensure the future for our economy here in Troutdale.

As I look ahead to my time as your next Mayor, I can't help but feel blessed and, at the same time, feel the heavy burden of responsibility that you have entrusted me with the well-being of our city, our home. This is something that I do not, and will not, take lightly. This trust will be something that I promise, and I will do my best to continue to earn that trust each and every day that I hold the office of Mayor. I look forward to working with our proficient City staff to accomplish all that needs to be done for the well-being of our community. At the same time, I will do my best to make sure Troutdale is at the table during important discussions that will affect our regional status. Building up the relationships that we have with our regional partners can only lead to sound decision-making processes and will help to ensure Troutdale is represented in East Multnomah County and the Metro Region.

So, cheers to the New Year and all that 2021 will bring. Happy Holidays to you and your families and I hope to see you out and about! Make sure to say hi if we cross paths and know that I'm always up for a cup of coffee and a conversation.

Meet Your Newly-Elected City Councilors

At the November 3, 2020 General Election, the electors of Troutdale cast their votes to elect Randy Lauer - Mayor, Alison Caswell - Council Position 2, Glenn White - Council Position 4, and Sandy Glantz - Council Position 6. The Councilors have each provided a message to the Troutdale residents below. Mayor Lauer has also prepared his first Champion article above.

Alison Caswell - Position 2



"My husband Rip and I love this city, and it fuels our creativity as sculptors. I ran for city council because I think Troutdale has a great potential to be even more of an oasis for people looking for a safe, business-friendly place to live. We have unique viewpoints of some of the most spectacular natural beauty in the world, and have a special city that complements where we live. I love bringing something from idea form into reality, and I think we all have a vision of how Troutdale can grow and keep its charm at the same time. I'm excited to have the opportunity to work toward that vision."

Glenn White - Position 4



"Hello neighbors and friends. It is an honor to serve you as a Troutdale City Councilor. My family and I have enjoyed living in Troutdale for the past 30 years and especially value the friendships we continue to make. Some of my favorite things to do are: outdoor recreational activities, gardening, and being a grandpa. As a councilor, I have advocated for 12 years to enhance: safety, transparency, wise spending, our parks, our small-town feel, vibrant small businesses, thoughtful planning, and city communications to keep you informed and involved. It is a pleasure to work with a dedicated team of City staff and volunteers. The council will have many important decisions to make. I will do my best to listen to you, research issues thoroughly and focus on our livability. I encourage all to come to City meetings, town halls and volunteer for City committees. I look forward to representing and working with you to enhance Troutdale's Community."

Sandy Glantz - Position 6



"Thank you for electing me to City Council! I'm excited to bring my experience from the Planning Commission to help keep Troutdale as the metro area's "sweet spot" of value, safety, and neighborhood quality. I've lived in Troutdale for almost 35 years, with a diverse background, having been a renter, a homeowner, a student, a mom, a commuter, a business owner, and more. I currently work in Tech and in my spare time I enjoy playing the piano, gardening, hiking, listening to all kinds of music, watching Netflix, and reading/learning about new developments in science and technology. I'd love to hear from you at sandy.glantz@troutdaleoregon.gov!"



Interested in getting outside for a bit of socially-distanced exercise? Our Recreation Department is planning on leading weekly morning walks at Sunrise Park beginning in January.

Details coming... check out our Facebook page, or go to www.troutdaleoregon.gov

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POSTAL PATRON

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Joe's Notebook

Chickens, Rats, & Illegal Parking

Hello everyone,

I would like to ask any residents who are part of an active Homeowners Association (HOA) to provide me with the name of an appropriate contact person within the association, in case of a code issue on the property. My information can be found directly below.

Chickens & Rats

Recently the Council approved a new "Chicken Code". Before approving, they referred it to the Citizens Advisory Committee (CAC), which met in early November to discuss the issue. During the meeting, I may have given the impression to the group that I was "anti-chicken". I am not!

Keep in mind that I have nothing to gain personally or professionally. My concern lies with the quality of life in Troutdale, period. However, where there are chickens there tend to be rats. Both are currently making my job harder because: (a) I cannot regulate rats (they go where they want.); and, (b) we currently have no regulations to keep chickens in the City. If you plan to keep (or already have) chickens, there are some suggestions to mitigate the rodents from invading. Chickens themselves do not attract rats; rather it is the feed and the eggs. Rats are nocturnal and feed at night. Therefore, it is recommended that:

- Feed and water are picked up at night;
- The feed is stored in a metal container;
- Keep the chicken's nest or roost up off the ground;
- Use heavy gauge chicken wire with holes no larger than half inch in diameter;
- Keep the coop and runs clean.

When I get complaints from people about rats, rodents, or other vermin, the complainant usually puts the blame on where they feel the rodents are coming from. However, these issues are the responsibility of a property owner to eradicate them, regardless of where they may have come from. Not all sources are from chickens.

Joe Storagee, Code Compliance Officer
Phone: 503-491-4009
joe.storagee@troutdaleoregon.gov

We advise residents to call Multnomah County Vector Control or purchase bait stations themselves. Vector Control will provide the bait stations and, in some cases, snap traps. They will also provide information to the resident on how to place and maintain them.

Rats carry several types of viruses including Hantavirus, Bubonic Plague, and Leptospirosis. They are prolific breeders, and a population explosion can take place if the conditions are right. All they need are food, water and habitat. Please help us as we work on ways to diminish this problem!



The middle car is parked properly, going with the traffic. The other two are parked illegally, going against the traffic.

Illegal Parking

I would also like to encourage everyone to put away your campers and trailers and not store them on the street unless you are preparing to go out of town. This includes utility trailers, which cannot be stored on the street. This applies even if you leave them attached to your vehicle!

Beyond campers and trailers, illegal parking continues to be a frequent complaint - parking the wrong direction (facing oncoming traffic), parking at a 90-degree angle to the curb in a cul-de-sac, etc. I would rather not write parking citations, however I have to respond to all complaints. Please reach out to me if you have any questions on standards.

Have a happy 2021!
Joe

The Necessity of Being Informed

A few recent events have started us thinking about the best way to disseminate information in the City so that all our residents get important news as it happens.

The first event was the Bulky Waste Pickup event in November, when numerous residents shared that they weren't aware of the event. The second was the recent distribution of "CARES Act" grant monies that were made available to Troutdale residents and commercial businesses within the City. Again, we heard from residents that they were unaware of the program. Please note that these important events were previewed in both the September/October and the November/December issues of The Champion, were included as 'Featured News' on our website, and shared on the City's Facebook page, as well as appearing on the monthly water bills.

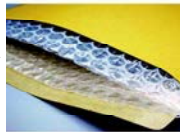
We want to make sure everyone is informed as far ahead of time as possible so you can take advantage of all the opportunities the City provides. To that end, we are committed to do our very best to get news to you quickly and accurately. Here are the ways you can find out about all the most important news in Troutdale:

Once a week (or more), **check out the "News" section on the homepage of our website at www.troutdaleoregon.gov**. There you'll find the most important news you need to know - all in one place! You can also **check out our Facebook page** for information that's updated daily. Our utility clerk lists important **information on your paper water bills each month**. Also, **if you receive an email from the City of Troutdale** - please don't ignore it! **Our newsletter** includes the latest news, but keep in mind the publication is issued every two months, so may not be as helpful as the sites above regarding timely information. And finally, you can **just give us a call, or better yet, come visit us at City Hall!** We're open from 8 a.m.-Noon, and 1 to 5 p.m. Monday through Friday. Call us at 503-665-5175.

Investing the time to find out everything our City has to offer is one of the best things you can do to enhance the quality of your life here in Troutdale. If you follow one or more of the above methods, you'll be more fully 'in the know'!

Recycle or Not Item Highlight: Envelopes with Bubble Wrap Inside

Do you have leftover envelopes with bubble wrap inside from the holiday season, but are unsure whether to recycle them or throw them in the trash? The answer is: throw them in the trash. Separating the paper from plastic is difficult and creates too much waste for papermills to separate. For more tips, please visit RecycleOrNot.org (ReciclarONo.org en español) and play the Recycle Or Not game to test your knowledge. Or Instagram users can visit www.instagram.com/recycleornot/ for a reference gallery with pictures.



New Recycling and Solid Waste Rates

Effective January 1, 2021, garbage rates will increase approximately five percent following the Troutdale City Council's approval of a rate increase as requested by Waste Management. This increase is based on the criteria specified in the Waste Management franchise agreement and was determined following a rate review analysis conducted by a third-party firm specializing in solid waste rate studies. Increasing operational costs along with the Oregon Corporate Activity Tax and Metro Regional System fee were the main factors that led to Waste Management's request.



Local Limits Up for Review/Approval

Per the City of Troutdale's National Pollutant Discharge Elimination System (NPDES) permit for its wastewater treatment plant, the City of Troutdale is required to evaluate potential pollutant limits that its wastewater treatment plant can safely accept from industrial users who discharge directly to the sanitary sewer and still meet its NPDES permit limits. This evaluation occurs every five years and is referred to as "local limits" by the federally regulated national pretreatment program. After the draft local limits are submitted to and approved by the Oregon Department of Environmental Quality (DEQ), the Troutdale City Council will have an opportunity to review and approve them for adoption. Please monitor the regular Troutdale City Council meeting schedule in the coming months for this agenda item if you would like to learn more and/or submit a public comment.



City to Benefit from Innovative University of Oregon Program



Partnership with UO's Sustainable City Year Program will lead to Insights and Student Recommendations Focused on City Priorities



The City of Troutdale and the University of Oregon's award-winning Sustainable City Year Program have launched a partnership for the 2020-21 school year. Each year, SCYP connects Oregon communities with university resources to advance local goals. Students bring capacity, creativity, enthusiasm, and new ideas as they work on real-world issues and on-the-ground challenges. In collaboration with city staff and stakeholders, SCYP students will make recommendations for the city to consider.

SCYP's expert faculty and student talent will help Troutdale succeed over the next 20 years. Projects will explore new opportunities to capitalize on Troutdale's vibrant community and prime Columbia Gorge location, including the revitalization of the Town Center area, while tackling challenges like affordable housing. The partnership will also help Oregon's future workforce to develop professional skills and network as more than 250 students work with city staff on a variety of topics including design and planning, community engagement, and economic development.

This year, SCYP faculty and students have risen to the challenges presented by the COVID-19 pandemic and remote learning to work together in new and creative ways and deliver valuable insights to Troutdale.

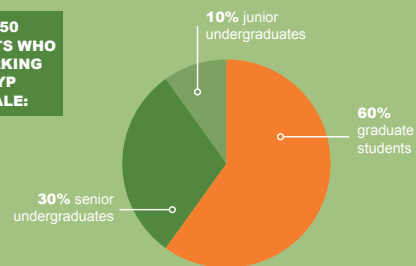
Troutdale Community Development Director Chris Damgen noted "we decided to work with the University of Oregon's SCYP to kickstart our Town Center planning and the partnership has just taken off from there."

SCYP Director Megan Banks added "We are excited to be working with a city that has so much going for it. There is a lot of interest from faculty to be part of this year and work with Troutdale. I know our SCYP students will help Troutdale continue as a 'champion' city."

STUDENTS WORKING IN TROUTDALE ARE MAJORING IN:



OF THE 250 STUDENTS WHO ARE WORKING WITH SCYP TROUTDALE:



TROUTDALE FIRSTS FOR SCYP

- 1st virtual partner
- 1st Columbia Gorge partner
- 1st partnership to have a McMenamins historic hotel (McMenamins Edgefield)



CLASSES

Students typically begin the 11-week term by meeting with Troutdale city staff to learn about a specific challenge facing the community, then work throughout the term to apply related course concepts to this issue. At the end of the course, students present their findings and recommendations. Student work is then synthesized into a final report the city can use as a decision-making deliverable.



PROJECT: REVITALIZING THE OVERLOOK TRACT

Classes: Introduction to Planning Practice, Planning Analysis I, Human Settlements

Background: The city is interested in revitalizing Opportunity Site 7 (the Overlook Tract), a critical 4.3-acre site identified in the forthcoming Town Center Plan. Using three key themes - climate change, housing insecurity, and racial justice - students analyzed opportunities and challenges of revitalizing the site as affordable housing.

Student Recommendations: Using the lens of their key theme, each team researched land use, transportation, history, urban design, and economic development components relevant to the site. Their final product synthesized the opportunities for affordable housing with physical and integrated connections to the Troutdale community. Students also proposed potential policies to support their site-based recommendations.



PROJECT: ANALYSIS OF ECONOMIC/BUSINESS IMPROVEMENT DISTRICT POTENTIAL AND CAPITAL IMPROVEMENT PROGRAMMING

Class: Public Budget Administration

Background: The city asked students to investigate two topics: 1) An examination of the Town Center area for an Economic Improvement District and/or Business Improvement District (EID/BID) as a funding tool to support annual operations of a Main Street organization and 2) An examination and prioritization of projects based on funding constraints and community goals in the city's capital improvement program related to the Town Center plan.

Student Recommendations:

EID/BID: Students evaluated financial yield of available funding options; provided recommendations for tax rate and revenue sources; and evaluated whether revenue sources are equitable, efficient, neutral, and productive.

CIP: Students recommended two different types of prioritization methods to determine how the City might invest in Town Center street projects to help fulfill the City's Town Center Vision. These methods both identified improvements to Halsey Street and the Historic Columbia River Highway between Depot Park and Glenn Otto Park as highest priority for future capital improvement projects.



PROJECT: TRAVEL TROUTDALE COMMUNITY OUTREACH CAMPAIGN

Class: Public Relations Campaigns

Background: The city engaged Public Relations students to help promote the city of Troutdale for visitors and businesses, focusing on "Travel Troutdale," which will be the city's travel and tourism site. Students assessed the city's communication needs; conducted research; assembled a Strengths, Weaknesses, Opportunities and Threats analysis; identified the best audiences to target; developed strategies and tactics to reach those audiences; and implemented a targeted plan; and evaluated their results.

Student Recommendations: Students focused on Instagram as the highest priority social media for Travel Troutdale, and proposed posts, stories, and highlights for the city to share. Students also recommended specific tips for the city to be successful, such as consistency, focused messaging, analysis of results, and partnering with influencers.



PROJECT: MOBILITY OPPORTUNITIES FOR TROUTDALE

Class: Urban Transportation

Background: Students will consider how to improve the mobility environment and effectively include multimodal transportation options in the Town Center area. Students will look at modes that include localized transit (micro-shuttle, trolley); a golf cart only zone or connected golf cart corridor with the neighboring cities of Fairview and Wood Village; electric bikes and scooters; and autonomous vehicles. Small groups of students will evaluate the feasibility and appropriateness of these travel modes based on relevant case studies and impacts to existing transportation choices and infrastructure.



PROJECT: TRAVEL TROUTDALE WEBSITE IMPROVEMENTS

Class: Public Relations Campaigns

Background: Public Relations students will build from fall term's "Travel Troutdale" focus but with a focus on the Travel Troutdale website. Students will assess the website; research what would be best to include; assemble a Strengths, Weaknesses, Opportunities and Threats analysis; as well as, with permission from the city, implement selected website improvements.



PROJECT: TOPICS IN TRANSPORTATION POLICY

Class: Transportation Policy

Background: Students will conduct a broad survey of transportation policy-related considerations and explore topics such as transportation finance; travel economics; and new mobility and autonomous vehicles. Students will research best practices, case studies, and recommend new policy and practical applications.



PROJECT: CASCADIA ARTS ASSOCIATION STRATEGIC PLANNING

Class: Nonprofit Consultancy Capstone (two terms)

Background: Nonprofit Management students will help Troutdale's new nonprofit, Cascadia Arts Association, with strategic planning that could include a timeline for tasks, potential fundraising ideas, board recruitment, and desired skills for potential staff.



PROJECT: ENGINEERING CAPSTONE DESIGNS

Class: Civil and Environmental Engineering Capstone (two terms)

Background: Groups of Portland State University Civil and Environmental Engineering students will work on potential designs and budget estimates for a variety of projects, which may include: 1) a bridge span that could be used by bicyclists, pedestrians, and other alternative travel modes to connect downtown Troutdale with the Confluence site; 2) a Sandy Riverfront Park overlook deck; 3) a bridge span that connects a prospective off-street multi-use trail along Halsey Street to 2nd Street; and 4) a Sandy Avenue redesign or reconfiguration with enhanced bicycle and pedestrian access.



PROJECT: CLIMATE ADAPTATION RECOMMENDATIONS AND CROSSWALK (2 TERMS)

Class: Design for Climate Action (two terms)

Background: Winter term research will include a "crosswalk" of the city's existing plans and policies related to climate. During spring term, small groups of students will use the crosswalk findings to help develop strategies and recommendations to mitigate climate impact and increase resiliency. General topic areas include land use and transportation, buildings and energy, food and agriculture, urban natural resources, and consumption and waste.



PROJECT: ASSESSING TROUTDALE'S HOUSING AND NATURAL RESOURCES VULNERABILITIES

Class: Land Use Law

Background: Law students will focus on one to three areas: 1) multi-hazard planning, such as a vulnerability assessment focused on a fire hazard overlay district; 2) Energy conservation and green infrastructure potential, such as wind and solar as energy alternatives; and 3) opportunities and existing barriers to providing "missing middle" housing in Troutdale.



PROJECT: REVITALIZING THE OVERLOOK TRACT DESIGN STUDIO

Class: Architecture Design Studio

Background: Building from fall term's class, architecture students will develop site-based recommendations for affordable housing on the Overlook Tract. Students will develop multi-story floor plans based on program elements agreed upon by faculty and the city of Troutdale. Students will also consider sustainability in their designs and material selection.



PROJECT: EVENT-STRENGTHENING

Class: Public Relations Campaigns

Background: Students will propose strategies, tactics, and timing to help event planners and city of Troutdale staff rejuvenate and promote a variety of Troutdale's community events, such as the annual Troutdale cruise-in, the December Mayors Square tree lighting event, movies at the park, fall festival of the arts, and more.



PROJECT: TOWN CENTER LAND USE POSSIBILITIES

Class: Advanced GIS

Background: Using Troutdale's Town Center Opportunity Sites preferred land uses, students will conduct a site suitability analysis using geographic information systems to determine constraints and opportunities.



PROJECT: TOWN CENTER MIXED USE COMPARATORS

Class: Land Use Planning and Policy

Background: Students will research policies and practices related to mixed-use zoning from communities across the United States that are relevant to the city of Troutdale.

Founded in 2009-10, The New York Times called the SCYP model **“perhaps the most comprehensive effort by a U.S. university to infuse sustainability into its curricula and community outreach”** and the Chronicle of Higher Education has called it **“one of higher education’s most successful and comprehensive service-learning programs.”** Over 35 other universities around the globe have adopted and adapted the model. All of SCYP’s energy and talents are focused on Troutdale this year, and we know the outcomes will be amazing.



PAST YEARLONG SCYP PARTNERS INCLUDE:



City of Albany



City of Salem



City of Eugene



City of Silverton



City of Gresham



City of Springfield



City of La Pine



TriMet



City of Medford



Lane Transit District



City of Redmond

Check back throughout the year for updates on classes and student progress!

<https://sci.uoregon.edu/sustainable-city-year-program-troutdale>

For more information contact Chris Damgen, chris.damgen@troutdaleoregon.gov

FOLLOW

@SustainableCities
 @SCI_UO
 @SCI_UO





Chief's Corner

by Captain Steve Bevins
Chief of Police – City of Troutdale
Multnomah County Sheriff's Office



2020 is coming to an end, so let's get ready for our winter weather in Troutdale! As we all know, the one thing we can count on is our Troutdale wind! When mixed with rain, sleet, snow – East Multnomah County can produce significant driving challenges. The weather can also bring about some other livability issues.

Here are some tips and information that may help you better prepare for the upcoming change in the weather:



Turn your vehicle lights on if they do not turn on automatically, during both day and night, as our daylight times have shortened and you could be driving in inclement weather.

Practice safe nighttime driving to include: dimming headlights when appropriate, keeping your vehicle windshield clean, providing more stopping/reaction distance, and routinely inspect your vehicle.

Maintain the proper air in your tires along with good tread while utilizing winter tires if possible. Slow down, as icy slick roads are sometimes not seen in time. Troutdale weather can become extreme and it's important to be ready!

Try to **have your gas tank at least half-full**. If your vehicle becomes disabled, it's usually best to stay in the vehicle, as walking during inclement weather can be very dangerous. Remember that dangerous driving conditions can also cause increased response time for emergency services. Have your cellular phone available along with a charger in the car. If you are disabled in a roadway causing a hazard, or if you need a Deputy to assist you, call the non-emergency number at 503-823-3333. If you feel you need an immediate critical response, please call 911.

During inclement weather conditions it can sometimes be better to stay home rather than drive if at all possible. **Have an emergency car kit** that is properly equipped for winter

travel. **At a minimum**, this kit should include the following:

- ✓ First aid kit
- ✓ Flash light
- ✓ Snow and ice scraper
- ✓ Water / snacks
- ✓ Blanket / sleeping bag
- ✓ Battery booster cables
- ✓ Tow chain / rope
- ✓ Emergency flares / reflectors
- ✓ Cellphone adapter / charging cord

In partnership with the Troutdale Public Works Department and ODOT, the Multnomah County Sheriff's Office implements a traffic safety plan when I-84 (east of Troutdale) is closed due to inclement weather. This plan involves alternate route planning for the truck industry while ensuring Frontage Road / I-84 services are maintained.

Inclement weather can create challenges for our community's most vulnerable citizens. No matter the inclement weather event, there are those who may need your assistance. Please prepare a plan to **check on your neighbors or those who may be in need**. Prepare for potential power outages, extended periods of below-freezing temperatures and anticipate problems or needs that can arise. Remember to **plug any portable heater directly into the wall outlet, do not use a power strip**. Conditions that prevent people from obtaining critical services or supplies can create life-threatening situations. Our Deputies will continue to assist those that are houseless and lack the shelter and protection we need from the inclement conditions.

I wish everyone a Happy New Year, and take care of yourselves and your loved ones! Steve

free sandbags

The Public Works Shop, located at 342 SW 4th Street, has free sand and bags for filling. You'll need to fill, tie, load and transport the sandbags yourself in a manner that does not disrupt City operations. So bring your own shovel and go for it! For information, call 503-674-3300.

Help reduce your risk of flooding by locating any storm sewer outlets near your home and keeping them free of debris and leaves, as well as trimming back any plant material that may restrict water from passing through.

secure your garbage

Get ready for a chilly **and windy** winter! Be a good neighbor and remember to secure your trash and recycling receptacles. If the fasteners have snapped off or no longer work properly, call Waste Management at 503-249-8078 – they'll be happy to replace your defective containers.

emergency / contacts

Local Weather Conditions - Weather.gov

School Closures - FlashAlert.net

Emergency, service alerts - PublicAlerts.org

Power outages/downed lines

PortlandGeneral.com, or call 503-464-7777

Broken water pipes?

Call Public Works at 503-674-3300.

After 5 p.m./weekends? 503-251-4163

BRIEFS

East County Resolutions Trainings Coming Up

Have you thought about becoming a mediator? Or maybe you could use conflict resolution skills but don't have the time to commit to the full Basic Mediation Training? Then sign-up for one of our upcoming conflict management or basic mediation skills trainings!

Basic Mediation Training
Mediation skills to resolve conflict
February 2021 (held virtually)

Conflict Management Training
February 3-5, 2021 (held virtually)

To sign up or find out more, go to mediate@reshamoregon.gov or call 503-618-3247.

Warming Centers/Shelters

When severe weather hits, emergency warming centers (daytime) and warming shelters (overnight) will open throughout Multnomah County. A severe weather notice includes: temperatures of 25 or below; snow or driving rain; severe wind chill factor or temperature fluctuations. When this happens, please watch out for your neighbors and the elderly or those in need. Call the Police Non-Emergency at 503-823-3333 to request a "welfare check." Seeking shelter or other services? Contact 211info, by dialing 2-1-1, or call 1-866-698-6155.

TROUTDALE RECREATION

Ready, Set, Go... Parks + Teddys + A New Driving Tour



Despite these shorter days and the cold, windy and rainy weather, know that the Troutdale Recreation Department is working on a few things to provide a little joy during these dreary days.

Get to know your parks! We now have a quick guide to all of the parks in our incredible system. Everyone knows all about Glenn Otto Park and Imagination Station... but have you ever communed with nature in the woods at Kiku Park? Strolled along the walking path at Sandee Palisades? Or hiked the trail to Beaver Creek in the Greenway? Troutdale's parks have so much to offer! Layer up and head outside!

New year, new Teddy - Troutdale Teddy has gotten such a warm welcome that he decided to stick around! He'll step into the new year with some new threads. As before,

you can pick one up at City Hall during regular operating hours, as well as just down the street at Celebrate Me Home for just \$15.

Historic Troutdale – In late winter, we plan to launch an **audio tour of Troutdale that features the history and stories** that make our wonderful community what it is. We're designing it so you can drive from site to site while listening to local historians provide insight that you may not have known.

We hope to offer **more general recreation programs in the near future** (based off Multnomah County's Risk Guidance for COVID). Be sure to stay tuned to our Facebook page as well as www.troutdaleoregon.gov/rec for more updates!



East Multnomah Soil and Water Conservation District presents
FREE Sustainable Gardening workshops online this Spring



Looking to invite pollinators and beneficial insects to the yard? Curious about invasive weeds and what native plants could replace them? Want to capture and soak up rainwater where it falls - with a rain garden? Learn how to landscape for clean water and healthy habitat from the safety and comfort of home with **FREE online classes from EMSWCD**. Learn more and register at <https://emswcd.org/?p=68>

Trying to find native plants for your garden this Spring? Check out our list of local places that carry native plants at <https://emswcd.org/native-plants/local-sources/>

And, you can join the **EMSWCD Native Plant Swap** group on Facebook to find a community of gardeners with a bounty of Native Plants to share. Learn more and join us at <https://www.facebook.com/groups/emswcdnativeplants>



Coming Up!

If you've got Spring fever, don't forget to check for details in the coming months on the City's website for the next anticipated **Troutdale Cleanup Event!** Go to www.troutdaleoregon.gov. The March/April Champion will also have information.

TROUTDALE CLEANUP EVENT

City Meetings

City Council Regular Meetings
Police Facility Kellogg Room – 7 P.M.
January 12, January 26
February 9, February 23

View Council meetings live on Comcast Channel 30 or Frontier Channel 38 at 7 p.m.; rebroadcasts are Fridays at 4 p.m. and Sundays at 9 p.m.

Town Center Committee

Police Facility Kellogg Room
January 27 – Regular Meeting – 7 P.M.
NOTE: Please check our website for meeting date in February

Planning Commission

Police Facility Kellogg Room – 7 P.M.
January 20, February 17

Parks Advisory Committee

Police Facility Kellogg Room – 7 P.M.
January 13, February 10

Citizens Advisory Committee

Police Facility Kellogg Room – 7 P.M.
January 6, February 3

Historic Landmarks Commission

Police Facility Kellogg Room – 7 P.M.
NOTE: Email: comdev@troutdaleoregon.gov for details

Urban Renewal Agency

Police Facility Kellogg Room – 7 P.M.
January 19 and February 16 (if needed)

Find meeting agendas, Council packets and audio/video of Council meetings at www.troutdaleoregon.gov

Departments

City Hall Main Number	503-665-5175
Building Permits	503-674-7229
Building/Parks Rentals	503-674-7297
Business Licensing	503-665-5175
Code Compliance	503-491-4009
Fire Department (Gresham)	503-618-2355
Mayor & Council	503-674-7258
Multnomah County Sheriff's Office (MCSO)	
MCSO Business Office	503-988-7300
MCSO Records	503-988-7300
(press '0' for Police Records)	
Municipal Court	503-674-7236
Police & Fire	
Non-Emergency Dispatch	503-823-3333
Parks Department	503-674-7271
Planning/Zoning	503-674-7247
Public Works (Wastewater)	503-666-8377
Public Works (Water & Streets)	503-674-3300
Recreation Program	503-674-7206
Water/Sewer - Billing Questions	503-674-7232
Water/Sewer - Open/Close Acct.	503-674-7225

City Buildings

City Hall / 219 E. Historic Columbia River Highway
Municipal Court Chambers / 234 SW Kendall Court
Council Chambers / 234 SW Kendall Court
Mult. Co. Sheriff's Office / 234 SW Kendall Court
Public Works / 342 SW 4th Street
Building / Planning / 2200 SW 18th Way
Parks / Facilities / 2200 SW 18th Way
Water Pollution Control Facility / 1820 NW Graham Road
City Conference Building (CCB) / 223 South Buxton Road
Glenn Otto Park / 1102 E. Historic Columbia River Highway
Sam Cox Building at Glenn Otto Park / 1102 E. Historic Columbia River Highway

find us on ...



The Majesty of Our Troutdale Trees



Troutdale has an historic tree ordinance which honors and offers some protection to vintage trees.

Who doesn't admire the towering Alfred A. Baker Copper Beech Tree at the corner of Stark Street and Troutdale Road? The tree was threatened several decades ago when construction vehicles were parking around the base on the root system. Troutdale Public Works employees stopped that by placing concrete barriers around the tree.

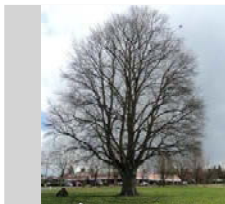
Recently, the Troutdale Historical Society participated with the City in updating the history of the Alfred A. Baker Copper Beech tree because the bronze marker there has some errors. You can read more on that story in the 2021 January-March **ByGone Times Newsletter** by visiting <https://www.troutdalehistory.org/newsletters.html>

Just south of Troutdale Road is a rare and historic White Oak tree on private property, but it can be enjoyed from the sidewalk on the east side of Troutdale Road.

And further on, the Sweetbriar Farm black walnut trees, planted along Troutdale Road by Emmet Bigelow Williams, who lived at Sweetbriar Farm (he was the grandfather of Helen Althaus, who has a City park in her name). Though they are not on the historic list, Sweetbriar Farm has several huge Sequoias, the result, says owner Dave Ripma, of a tree salesman who came through the area right after the turn of the last century.

Coming soon to the City's historic tree list are the historic Chestnut trees at the corner of 5th Street and Buxton Road. The oldest is the last original tree at the home of Aaron Fox, founder of the Troutdale General Store, who was the first mayor of Troutdale and lived on the site.

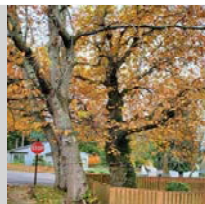
If you have a tree that is appreciated for its years or its variety, and would like to see it considered as a historic tree, call the City of Troutdale at 503-674-7247.



The Alfred A. Baker Copper Beech Tree at the corner of Stark Street and Troutdale Road



The Sweetbriar Farm Black Walnut trees along Troutdale Road



Historic Chestnut tree at the corner of 5th Street and Buxton Road

JANUARY

- 1**
New Years' Day, City Hall Offices Closed
Police/Fire emergency, call 9-1-1
Water/Sewer emergency, call 503-251-4163
- 1**
No First Friday Art Walk in January, 503-491-8407
- 8**
Last day to apply for Basic Mediation Training!
6 p.m. (see 'Briefs' on Page 7)
- 18**
Martin Luther King, Jr. Day, City Hall Offices Closed
Police/Fire emergency, call 9-1-1
Water/Sewer emergency, call 503-251-4163
- 22**
Last day to apply for Conflict Management Training,
(see 'Briefs' on Page 7)

EVENT CALENDAR

26
Troutdale Historical Society and McMenamins
History Pub: **CANCELLED**

FEBRUARY

- 5**
First Friday Art Walk, CANCELLED
- 15**
Presidents Day, City Hall Offices Closed
Police/Fire emergency, call 9-1-1
Water/Sewer emergency, call 503-251-4163
- 23**
Troutdale Historical Society and McMenamins History
Pub: **CANCELLED**

SCI Directors and Staff

Marc Schlossberg	SCI Co-Director, and Professor of Planning, Public Policy, and Management, University of Oregon
Nico Larco	SCI Co-Director, and Professor of Architecture, University of Oregon
Megan Banks	SCYP Director, University of Oregon
Nat Kataoka	Report Coordinator
Danielle Lewis	Graphic Designer