



## CITY OF TUMWATER

### 2023-2024 Jurisdiction Work Program

**Version Date:** September 6, 2023

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**Work Program Dates:** June 1, 2023 – December 31, 2024

The Jurisdiction Work Program describes activities that are intended to be undertaken by one of the four jurisdictions in the Thurston Climate Mitigation Collaborative to advance the implementation of the Thurston Climate Mitigation Plan. The inclusion of a project or initiative in this document does not guarantee that it will be brought to completion during the defined time frame.

#### Summary Table:

| # | Project Name   | Sector                    | TCMP Strategy | Timeline                          | Budget     |
|---|--|---------------------------|---------------|-----------------------------------|------------|
| 1 | Home Energy Score Audit and Electrification Campaign Pilot | Buildings & Energy        | B1            | 2024-2027 if funded               | \$419,600* |
| 2 | LED Lighting   | Buildings & Energy        | B2            | 2023-2024                         | \$35,500   |
| 3 | All-Electric Buildings Webpage                             | Buildings & Energy        | B3            | 2023                              | N/A        |
| 4 | State Building Code Updates                                | Buildings & Energy        | B4            | Complete by October 2023          | N/A        |
| 5 | SolSmart Designation                                       | Buildings & Energy        | B5            | Submit in August 2023             | N/A        |
| 6 | Solar + Storage Feasibility Assessment                     | Buildings & Energy        | B5            | Completion by July 2024 if funded | \$29,800*  |
| 7 | Comprehensive Plan Period Update                           | Buildings & Energy        | T1            | Completion by June 30, 2025       | TBD        |
| 8 | TCMP Related Development Code Amendments                   | Transportation & Land Use | T1            | 2024                              | TBD        |
| 9 | Traffic Signal Controller & Detection Upgrade              | Transportation & Land Use | T2            | Design 2023<br>Installation 2024  | \$268,150  |

| #  | Project Name  | Sector                    | TCMP Strategy | Timeline                               | Budget       |
|----|---|---------------------------|---------------|--|--------------|
| 10 | I-5/Trosper Road/Capitol Blvd Reconfiguration                     | Transportation & Land Use | T2            | Completion in 2024                     | \$12,000,000 |
| 11 | X Street Roundabout   | Transportation & Land Use | T2            | Construction 2024-2025                 | \$2,010,000  |
| 12 | Fleet Electrification Plan  | Transportation & Land Use | T3            | January 2024                           | N/A          |
| 13 | Solar-Powered Off-Grid EV Charger at Pioneer Park                 | Transportation & Land Use | T3            | 36 months after the award, if awarded  | \$100,199*   |
| 14 | Energy Code Adoption  | Transportation & Land Use | T3            | October 2023                           | N/A          |
| 15 | Linwood Avenue Sidewalk, Sustina Lane to 2 <sup>nd</sup> Ave      | Transportation & Land Use | T5            | Design 2023<br>Construction 2024       | \$760,000    |
| 16 | Tumwater Hill Neighborhood Park Trail Improvements                | Transportation & Land Use | T5            | August 2023                            | \$30,000     |
| 17 | Deschutes Valley Trail – E Street                                 | Transportation & Land Use | T5            | September 2023                         | TBD          |
| 18 | Palermo Wellfield Trail   | Transportation & Land Use | T5            | Fall 2023                              | \$500,000    |
| 19 | 2 <sup>nd</sup> Avenue Pedestrian and Bicycle Improvements        | Transportation & Land Use | T5            | Design 2024<br>Construction 2025       | \$3,605,000  |
| 20 | Israel Road and Linderson Way Pedestrian and Bicycle Improvements | Transportation & Land Use | T5            | Design 2023<br>Construction 2024       | \$1,985,000  |
| 21 | 2024 Pavement Maintenance Project                                 | Transportation & Land Use | T5            | Design 2023<br>Construction 2024       | \$3,857,857  |
| 22 | Multimodal Improvements and Traffic Calming Program               | Transportation & Land Use | T5            | Construction 2024 (ongoing until 2029) | \$380,000    |
| 23 | Water Audit   | Waste & Water             | W2            | 2023                                   | \$42,863     |

| #  | Project Name                                    | Sector                             | TCMP Strategy | Timeline                                     | Budget           |
|----|---|------------------------------------|---------------|--|------------------|
| 24 | Recycling and Composting at City Events         | Waste & Water                      | W4            | Ongoing                                      | \$500            |
| 25 | Composting at City Facilities                   | Waste & Water                      | W4            | Ongoing                                      | \$9,700 per year |
| 26 | Compost Procurement Ordinance Implementation    | Waste & Water                      | W4            | Ongoing                                      | N/A              |
| 27 | Tree and Vegetation Protection Ordinance Update | Agriculture, Forests, and Prairies | A5/A6/A7      | Winter 2024                                  | \$92,421.76      |
| 28 | Street Tree Standards Update                    | Agriculture, Forests, and Prairies | A5/A6/A7      | Winter 2024                                  | \$83,200         |
| 29 | Landscaping and Buffering Requirements          | Agriculture, Forests, and Prairies | A5/A6/A7      | Winter 2024                                  | \$48,468.82      |
| 30 | Tumwater Public Urban Forest Inventory          | Agriculture, Forests, and Prairies | A5/A6/A7      | May 2024                                     | \$60,000         |
| 31 | Habitat Conservation Program                    | Agriculture, Forests, and Prairies | A5/A6/A7      | Underway since 2016, approval date not known | \$345,000        |
| 32 | Tumwater Sustainability Webpage                 | Cross-Cutting                      | G1            | Ongoing                                      | N/A              |
| 33 | Student Internships and Guest lectures          | Cross-Cutting                      | G1            | Ongoing                                      | N/A              |
| 34 | Legislative Agenda                              | Cross-Cutting                      | G1            | Ongoing                                      | N/A              |

\*Pending Grant Funding

## Buildings and Energy Sector

### Strategy B1. Reduce energy use in existing residential buildings.

#### 1. Project Name: Home Energy Score Audit and Electrification Campaign Pilot

City Department(s): Water Resources and Sustainability (WRS)

Anticipated Timeline: 2024 through 2027 if grant funding is awarded.

Budget (if applicable): This project is contingent upon grant funding. The requested grant budget is \$419,600.

Project Description: At the 2023 Thurston Climate Mitigation Collaborative retreat, this was the one regional initiative for jurisdiction staff to advance in 2024. Other regional partners will pool funds to carry out this initiative. For Tumwater, this initiative will include:

- Developing a regional model Ordinance requiring Home Energy Score Audits and score disclosure at the time of listing real estate;
- Coordinating negotiated-rate Home Energy Score Audits community-wide including paying for sixty audits for Low- and Moderate-income households;
- Paying for up to \$10,000 of home efficiency and electrification upgrades for 24 Low- and Moderate-income households;
- Funding a limited number of home efficiency and electrification upgrade incentives for residents who are not Low- or Moderate-income households;
- Coordinating for telephone, email, and website-based technical assistance for all residents to inquire about home electrification and available incentives, and;
- Hosting a workshop about how to become a Home Energy Score Certified Assessor.

### Strategy B2. Reduce energy use in existing commercial/industrial buildings.

#### 2. Project Name: LED Lighting

TCMP Action: B2.3 LED Lighting

City Department(s): Parks and Recreation

Anticipated Timeline: 2023-2024

Budget: \$35,500

Project Description: Parks and Recreation Facilities staff will perform LED lighting upgrades at City Hall.

### Strategy B3. Reduce energy use across building types.

#### 3. Project Name: All-Electric Buildings Webpage

TCMP Action: B3.1 Energy Education

City Department(s): WRS and Communications

Anticipated Timeline: This webpage was launched in July 2023

Budget: N/A

Project Description: Develop and launch a website with educational resources on all aspects of energy-efficient all-electric buildings including available incentives.

#### **Strategy B4. Reduce energy use in new construction or redevelopment.**

##### **4. Project Name: State Building Code Updates**

City Department(s): Community Development

Anticipated Timeline: complete by October 2023

Budget: N/A

Project Description: Adopting the new State Building Code updates.

#### **Strategy B5. Increase the production of local renewable energy.**

##### **5. Project Name: SolSmart Designation**

TCMP Action: B5.5 SolSmart

City Department(s): WRS and Community Development

Anticipated Timeline: Goal to submit for designation in August 2023

Budget: N/A

Project Description: SolSmart is a national technical assistance and designation program funded by U.S. Department of Energy. Recognizes cities and counties that take steps to address local barriers to solar energy and foster the growth of mature local solar markets. The focus of the program is on reducing “soft costs,” which refers to all non-hardware costs of solar energy systems, such as planning & zoning, permitting, inspection, installation, financing, and customer acquisition. The City of Tumwater is currently aiming for the designation of SolSmart Silver.

##### **6. Project Name: Solar + Storage Feasibility Assessment**

TCMP Action: B5.3 Public Building Solar

City Department(s): WRS and Parks and Recreation

Anticipated Timeline: Completion by July 2024 if funding is awarded.

Budget: This project is contingent on grant funding. The budget is \$14,900 per site for a total of \$29,800.

Project Description: Completing site assessments, community engagement, feasibility assessments, and preliminary design of combined solar and storage at the Tumwater Timberland Library and Tumwater City Hall.

#### **Strategy B6. Convert to cleaner fuel sources.**

***No current projects***

## Transportation and Land Use Sector

**Strategy T1. Set land use policies that support increased urban density and efficient transportation networks and reduce urban sprawl.**

**7. Project Name: Comprehensive Plan Periodic Update**

City Department(s): Community Development

Anticipated Timeline: Completion by June 30, 2025

Budget (if applicable): TBD

Project Description: Prepare the required ten-year periodic update to the City's Comprehensive Plan, including updates to the Conservation, Housing, Land Use for Public Purposes, and Utilities Elements as well as the Parks, Recreation, and Open Space Plan, Economic Development Plan, and Transportation Plan. Includes incorporation of climate mitigation required elements passed by the state legislature in 2023.

**8. Project Name: Thurston Climate Mitigation Plan – Related Development Code Amendments**

City Department(s): Community Development and WRS

Anticipated Timeline: 2024

Budget (if applicable): TBD

Project Description: Associated updates to development regulations.

**Strategy T2. Increase efficiency of the transportation system.**

**9. Project Name: Traffic Signal Controller & Detection Upgrade**

City Department(s): Transportation and Engineering (TED)

External Partners: Congestion Mitigation and Air Quality Improvement (CMAQ) Program funded.

Anticipated Timeline: design 2023, installation 2024

Budget: \$268,150

Project Description: This project will replace the controllers and necessary associated hardware at eight intersections and will upgrade the detection equipment to current standard cameras at six intersections throughout Tumwater.

**10. Project Name: I-5 / Trosper Road / Capitol Boulevard Reconfiguration**

City Department(s): TED

External Partners: Washington State Department of Transportation

Anticipated Timeline: currently in construction, expected completion in 2024.

Budget: \$12,000,000

Project Description: Realign northbound Interstate 5 on/off ramp, construct new extension of 6<sup>th</sup> Avenue between Trosper Road and Lee Street, and construct three roundabouts. This project will improve traffic flow and will also improve bike and pedestrian facilities at the intersection.

#### **11. Project Name: X Street Roundabout**

City Department(s): TED

Anticipated Timeline: construction 2024 and 2025

Budget: \$1,738,650 Grant Funded + \$271,350 = \$2,010,000 (2024)

Project Description: Construction of a roundabout at the intersection of Capitol Boulevard and X Street.

### **Strategy T3. Increase adoption of electric vehicles.**

#### **12. Project Name: Fleet Electrification Plan**

TCMP Action: T3.10 Zero Emission Fleets

City Department(s): WRS and TED

Anticipated Timeline: Complete by January 2024

Budget: N/A

Project Description: Use the Electrification Coalition's DRVE tool to assess and plan for fleet electrification.

#### **13. Project Name: Solar-Powered Off-Grid EV Charger at Pioneer Park**

City Department(s): WRS and Parks and Recreation

Anticipated Timeline: Within 36 months of the grant award, if funded.

Budget: This project is contingent on grant funding. \$91,090 grant funding + \$9,109 cash match = \$100,199

Project Description: Purchasing and deploying an off-grid solar-powered EV charger at Pioneer Park. This project will include outreach and public meetings to ensure the charger and solar unit are installed in a way that meets accessibility and community needs.

#### **14. Project Name: Energy Code Adoption**

TCMP Action: T3.1 EV Parking New Construction

City Department(s): Community Development

Anticipated Timeline: Adopted by October 2023

Budget: N/A

Project Description: Adopting the new Energy Code including EV charging, ready, and capable requirements in new development.

**Strategy T4. Increase the use of public transit.**

***No current projects***

**Strategy T5. Increase use of active forms of travel and more efficient commute modes.**

**15. Project Name: Linwood Avenue Sidewalk, Sustina Lane to 2<sup>nd</sup> Avenue**

City Department(s): TED

Anticipated Timeline: Design 2023, construction 2024

Budget: \$760,000

Project Description: Sidewalk infill and traffic calming on school walking routes in the vicinity of Michael T. Simmons Elementary School, in addition to pedestrian and vehicular safety improvements at the intersections of Linwood Avenue with 2<sup>nd</sup> Avenue and Lake Park Drive.

**16. Project Name: Tumwater Hill Neighborhood Park Trail Improvements**

City Department(s): Parks and Recreation

Anticipated Timeline: August 2023

Budget (if applicable): \$30,000

Project Description: Improvements to the existing trail system to include a new stairway at Ridgeview Loop trailhead, widening the path to the original design, improving trail surfacing, and drainage.

**17. Project Name: Deschutes Valley Trail – E Street**

City Department(s): Parks and Recreation

Anticipated Timeline: Late Summer 2023

Budget: Unknown

Project Description: This small section of the Deschutes Valley Trail will start at E Street and follow Tumwater Valley Drive to the end of the Craft District. The project is being constructed, per our design, by the Craft District as part of our partnership with them for the overall development.

**18. Project Name: Palermo Wellfield Trail**

City Department(s): Parks and Recreation

Anticipated Timeline: Summer/Fall 2023

Budget: \$500,000



Project Description: There has been an informal trail from the Palermo neighborhood to Capital Blvd for decades. The trail and improvement were included in the planning of the Deschutes Valley Trail and will serve as a trail spur/connection to the main trail through Tumwater Valley. The City had a parking lot at the trailhead near Capitol Blvd, but that was removed for the current street improvement project. A new parking lot is being constructed for the new trailhead. The wellfield has seen unwanted activity in recent years due, in part, to its remote location and proximity to local traffic/businesses. The City Council has agreed that formalizing the trail system will bring more activity and use to the area which may discourage unwanted behavior. The trail will also provide a safer and more useful pedestrian route from Tumwater Valley to Capitol Blvd.

**19. Project Name: 2<sup>nd</sup> Avenue Pedestrian and Bicycle Improvements**

City Department(s): TED

Anticipated Timeline: Design 2024, construction 2025

Budget: \$3,605,000

Project Description: Intersection improvements at 2<sup>nd</sup> Avenue and Linwood. Sidewalk, bulb-outs, curb ramps, paving, bike lanes on 2<sup>nd</sup> Street from Linwood to B Street.

**20. Project Name: Israel Road and Linderson Way Pedestrian and Bicycle Improvements**

City Department(s): TED

Anticipated Timeline: design 2023, construction 2024

Budget: \$1,985,000

Project Description: Roadway and multi-modal improvements at the intersection of Israel Road and Linderson Way including the construction of refuge island(s), reconstruction of select sidewalk segments, and curb ramps, add bike lanes, signal improvements, roadway, and other improvements.

**21. Project Name: 2024 Pavement Maintenance Project**

City Department(s): TED

Anticipated Timeline: Design 2023, construction 2024

Budget: \$3,857,857

Project Description: This city-wide project is funded by the Transportation Benefit District (TBD) to maintain and preserve city streets. It includes asphalt overlays, repainting pavement, replacing raised pavement markers, and other site-specific pavement repairs. This project triggers an ADA requirement to bring relevant curb ramps into compliance with federal standards.

**22. Project Name: Multimodal Improvements and Traffic Calming Program**

City Department(s): TED

Anticipated Timeline: Construction is ongoing from 2024 to 2029. The budget for 2024 only is included.

Budget: \$380,000 (2024)

Project Description: Construction of miscellaneous multimodal and traffic calming improvements throughout the City. Work could include sidewalk maintenance, repair, infill, ADA curb ramps, pedestrian crossings and connections, bicycle improvements, and neighborhood traffic calming. Identified projects include: all deficiencies in right-of-way contained within the City ADA Transition Plan, extension of sidewalk on Trosper Road to Lambskin Street, widen sidewalk on 2<sup>nd</sup> Avenue from Custer Way to Destoto Street, and annual Sidewalk Program.

## Water and Waste Sector

**Strategy W1/W2/W3. Increase the efficiency of water and wastewater infrastructure/Reduce water consumption/Reduce emissions from wastewater treatment operations.**

### **23. Project Name: Water Audit**

TCMP Action: W2.2 Water Audits

City Department(s): WRS

Anticipated Timeline: 2023

Budget (if applicable): \$42,863

Project Description: The City entered an Energy Savings Performance Contract with the Department of Enterprise Services in July 2022 for an Investment Grade Audit of City Facilities. As of June 2023, we have received the Investment Grade Audit (IGA) proposal from the Energy Services Company, and we are moving forward with the audit. More budget for the construction of energy and water efficiency measures will need to be allocated after the completion of the IGA.

**Strategy W4. Divert more solid waste from landfills.**

### **24. Project Name: Recycling and Composting at City Events**

City Department(s): WRS in coordination with Parks & Recreation

Anticipated Timeline: Ongoing

Budget (if applicable): \$500

Project Description: When volunteers are available, the City diverts recyclables and compostable materials away from landfills at City events where food trucks are present. The City has developed a volunteer position for “Recycling and Compost Attendants” and continuously recruits volunteers to stand beside the waste stations at events to provide education and assistance to eventgoers in properly disposing of their waste.

### **25. Project Name: Composting at City Facilities**

City Department(s): WRS and Parks and Recreation

Anticipated Timeline: Launched in April 2023, ongoing.

Budget (if applicable): \$9,000 for additional janitorial services + \$700 for food and yard waste collection services = \$9,700 per year.

Project Description: Distributing receptacles and education to City staff to divert their organic waste into green buckets for composting. The program started with 2 96-gallon food and yard waste collection totes but within 2 months the collection capacity needed to be doubled to keep up with rates of diversion.

**26. Project Name: Compost Procurement Ordinance Implementation**

City Department(s): WRS

Anticipated Timeline: ongoing

Budget (if applicable): N/A

Project Description: Implementation and oversight of the City Compost Procurement Ordinance which requires that landscaping, construction and post-construction, erosion control, and green infrastructure projects purchase and utilize compost in the maximum amount feasible. Reporting compost purchase, weight, and source data to the Department of Ecology as required by HB 1799.

**Agriculture, Forests, and Prairies Sector**

**Strategy A1/A2. Reduce emissions from agricultural practices/Support agricultural practices that sequester carbon.**

*No current projects*

**Strategy A5/A6/A7. Preserve tree canopy and manage forests and prairies to sequester carbon.**

**27. Project Name: Tree and Vegetation Protection Ordinance Update**

TCMP Action A6.9 Tree Canopy Preservation

City Department(s): Community Development and WRS

External Partners (if applicable): Various stakeholders

Anticipated Timeline: Winter 2024

Budget (if applicable): \$92,421.76

Project Description: Complete update of the City Tree and Vegetation Preservation regulations (TMC 16.08).

**28. Project Name: Street Tree Standards Update**

City Department(s): Community Development and WRS

Anticipated Timeline: Winter 2024

Budget (if applicable): \$25,000 Grant + \$58,200 City Funds = \$83,200

Project Description: Complete update of the City Street Tree Plan and Street Tree regulation (TMC 12.24).

### **29. Project Name: Landscaping and Buffering Requirements**

City Department(s): Community Development and WRS

Anticipated Timeline: Winter 2024

Budget (if applicable): \$48,468.82

Project Description: Complete update to landscaping buffering and screening regulations (TMC 18.47).

### **30. Project Name: Tumwater Public Urban Forest Inventory**

TCMP Action: A6.5 Municipal Canopy

City Department(s): WRS

Anticipated Timeline: Complete by May 2024

Budget (if applicable): \$40,000 grant + \$20,000 match = \$60,000.

Project Description: Updating the City 2018 Street Tree Inventory to meet Department of Natural Resource Inventory requirements, completing an on-the-ground or sample-based tree inventory all City-owned properties, completing an iTree analysis of the City-owned urban forest, producing a maintenance plan including cost estimates, and identifying potential planting areas to expand Tumwater's tree canopy more equitably. Funds for this project were provided by the USDA Forest Service Urban and Community Forestry Program, administered through the State of Washington Department of Natural Resources Urban and Community Forestry Program. The USDA is an equal opportunity provider and employer.

### **31. Project Name: Habitat Conservation Program (HCP)**

County Department(s): Community Development

External Partners (if applicable): U.S. Fish and Wildlife

Anticipated Timeline: Underway since 2016, approval date not known.

Budget (if applicable): \$310,000 grant funds + \$35,000 City funds = \$345,000

Project Description: Preparation of a USFWS approved Habitat Conservation Plan for three threatened or endangered prairie species and one Black Lake drainage species. Protection of prairie species will result in the protection of over 1,500 acres of native prairie habitat.

## **Cross-Cutting Sector**

### **Strategy G1. Conduct education and outreach across climate mitigation areas.**

### **32. Project Name: Tumwater Sustainability Webpage**

City Department(s): WRS and Communications

Anticipated Timeline: ongoing

Budget (if applicable): N/A

Project Description: Develop and expand the City of Tumwater Sustainability and Climate Mitigation webpages. The site's goal is to be a hub for information about all Tumwater climate initiatives and will be continually updated to include related projects and programs that are being implemented across multiple City departments.

**33. Project Name: Student Internships and Guest Lectures**

City Department(s): WRS

Anticipated Timeline: ongoing

Budget (if applicable): N/A

Project Description: Work with local higher education institutions, most recently the Evergreen State College, to supervise student interns in conducting research projects to boost staff capacity.

**Strategy G4. Enhance monitoring and evaluation of climate mitigation measures and outcomes.**

***No current projects.***

**Strategy G5. Advocate for climate-mitigating state and federal policy.**

**34. Project Name: Legislative Agenda**

City Department(s): Executive

Anticipated Timeline: Ongoing

Project Description: Creating a Legislative Agenda and using a consultant to lobby on behalf of those items included on the Legislative Agenda.