



3628 South 35th Street
Tacoma, Washington 98409-3192

TACOMA PUBLIC UTILITIES

April 2, 2018

Mr. Dan Cardwell
Pierce County Planning and Land Services
2401 South 35th Street #2
Tacoma, WA 98409

Re: Tacoma Water 2018 Water System Plan Available for Review

Dear Mr. Cardwell:

Tacoma Water has completed a draft of the water system's 2018 Water System Plan (WSP) update and is pleased to submit the WSP for review by Pierce County Planning and Land Services. Included in this submittal are:

- Pierce County Water System Plan Checklist
- Local Government Consistency Form
- One hard copy of the 2018 WSP and four CDs with 2018 WSP and appendices

This 2018 WSP is an update to the last plan adopted by Tacoma Water in 2006. Tacoma Water's 2018 WSP update includes (but is not limited to): an updated demand forecast for the system out to 2037, analysis of distribution system deficiencies and necessary improvements, description of changes made to the system since the last WSP such as adding the Green River Filtration Facility, review of watershed conditions in relation to water quality, overview of the system's asset management program, and a capital improvement program and financial plan through 2026.

Please provide a completed and signed Local Government Consistency Determination Form and any other comments or questions you have on the draft 2018 WSP update by June 22, 2018, via email or regular mail to the address below:

Jason Moline
3628 S 35th St
Tacoma, WA 98409
jmoline@ci.tacoma.wa.us

Tacoma Water plans to finalize the 2018 WSP in July after incorporating comments from the Washington Department of Health, counties, public, local agency, and adjacent water systems, as appropriate. Tacoma Water looks forward to receiving your review comments and appreciates your input and interest in its water system plan.

Sincerely,

Jason Moline, PE
Water Supply Section
Tacoma Water/Tacoma Public Utilities

Pierce County WSP Review Requirement Guidelines
Water System: Tacoma Water Date: March 2018

CWSP Requirements	Y/N	Pg #	Comments	Notes
Consistent with local growth management plans and development policies	Y	Section 2.6	The WSP should not contain information or policies that are inconsistent with the CWSP or Pierce County Comprehensive Plan policies	Pierce Co. CWSP will be updated between 2018-2020
Recognize all applicable water resource plans, water quality plans, and water pollution plans that have been adopted by units of local government	Y	Sections 2.4.4, 2.6, 4.1	Discuss any relevant plans including the Coordinated Water System Plan (CWSP), Comprehensive Plan, community plans, basin plans, watershed plans, etc.	
Contain accurate retail service area boundaries. (i.e. Does it match what Pierce County has in GIS and Standard Service Agreement?) ➤ Service area matches what Pierce County has in GIS and Standard Service	Y	Figure 2-2; Sections 2.4, 2.5	<ul style="list-style-type: none"> • Include copy of Standard Service Agreement (SSA) in WSP (see SSA). • If a change in service area is proposed, then a new SSA will be required. • Include a reference to all water service and water service area agreements, and copies of these documents (as well as any associated Exhibits) in the WSP (typically located in an Appendix). Examples include the signed SSA that the County maintains, any agreements between purveyors for interties and wholesale water, emergency service, 	

CWSP Requirements	Y/N	Pg #	Comments	Notes
<p>Agreement (SSA).</p> <p>➤ Contains a service area map that reflects a boundary around the retail service area as well as other areas where the system supplies water and adjacent water purveyors.</p> <p>Are there signed Standard Service Agreements that accurately reflect service area boundaries?</p>			<ul style="list-style-type: none"> • If we have an SSA that you do not have, then this will be mentioned in the comment letter and a copy provided. • Include a service area map that reflects a boundary around the CWSP/retail service area as well as other areas where the system supplies water and adjacent water purveyors. WSA boundaries shall follow parcel boundaries and be located down the centerline of all roads. <p>Include a copy of the proposed water service area boundary in an electronic format. The data can be either a GIS shapefile or a CAD file. If it is a CAD file, the service area needs to be designated by polylines, not hatching, which can then be imported as layer into GIS. All data needs to be in the projected coordinates system: NAD_1983_HARN_StatePlane_Washington_South_FIPS_4602_Feet</p>	
<p>Address land use - zoning (and since Municipal Water Law, identification of any county-known future plans for large water usage to occur within their service area).</p> <p>Per WAC 246-290-</p>	Y	Section 2.6, Section 3.1, Appendix L	<ul style="list-style-type: none"> • Include a discussion of the County's Comprehensive Plan if any portion of the water service area is located within unincorporated Pierce County. • Include a copy of the land use/zoning map that shows the utilities service area. • If a portion of the water service area is within unincorporated Pierce County, 	<p>We do not include a detailed discussion of Pierce Co. WSP or land uses based on notes from the Pre Plan meeting of May 22, 2017</p>

CWSP Requirements	Y/N	Pg #	Comments	Notes
100(b) “Basic planning data including (ii) projected land use, future population, and water demand for consecutive six-year and final twenty year planning period within the WSA.”			<p>the WSP land use information must match the County’s zoning and the Urban Growth Area (UGA) line (if applicable).</p> <ul style="list-style-type: none"> • Provide enough detail in the WSP text to indicate the types of allowable uses in each zone and the associated residential densities. Discuss the County’s provisions for Accessory Dwelling Units. • Include a discussion of the existing land uses. This information may be obtained from the Pierce County Assessors data, which assigns each parcel a code for existing land use (e.g. vacant, single family, mobile homes, multi-family, commercial, etc.). Use this information to help describe the existing conditions within the water service area. • Address any known proposed zoning changes that will occur within the next six year time period. For example, if the jurisdiction is planning to expand their urban growth area (UGA) in the next few years then provide this information in the WSP. This would include details on what the proposed zoning would be within the UGA expansion area and associated allowable uses and residential densities. • See example of Existing Land Use and Zoning Information. 	
Is there an approved	Y	Section 2.4	<ul style="list-style-type: none"> • Include a discussion about the 	

CWSP Requirements	Y/N	Pg #	Comments	Notes
Water Franchise Agreement for areas where work is proposed in County rights-of-way?			<p>current County Franchise Agreement.</p> <ul style="list-style-type: none"> The Franchise Agreement area must be large enough to cover the entire water service area. If an expansion of the water service area is proposed then a new Franchise Agreement will be required for this area if larger. 	
Contain utility policies of service and service extension ordinances for cities and towns.	Y	Section 2.4, Section 2.5	<p>Include the utility service policies and cities and towns must include service extension ordinances.</p>	
Include demand forecast and growth projections.	Y	Sections 3.1, Table 3-1, Table 3-2, Appendix L	<p>In the section on future land use, growth and demand include:</p> <ul style="list-style-type: none"> Population growth forecasts for the next 6 years (for each year) and 20 years. Take into consideration population forecasts generated/adopted by local governments. These include projected population as identified by Puget Sound Regional Council, Pierce County Countywide Planning Policies, Pierce County Comprehensive Plan, and the CWSP. Contact Dan Cardwell, PALS, dcardwe@co.pierce.wa.us, if you have any questions regarding population growth projections. An analysis of the amount of buildable land within the service area based on 	

CWSP Requirements	Y/N	Pg #	Comments	Notes
			<p>existing land use and zoning (to determine amount of vacant and underdeveloped or redevelopable properties). This analysis should consider subdivision potential per the parcels zoning and the potential for Accessory Dwelling Units (ADUs). See attached Buildable Lands Analysis Guidance.</p> <ul style="list-style-type: none"> • A map of existing customers, pending customers (i.e. those who have been issued a Water Availability Letter who have not yet connected), and future customers. • A graph that visually depicts the projected growth over the 6yr/20yr timeframe and the max number of ERUs able to serve based on the limiting factors (both water rights and infrastructure). Include a clear discussion of limiting factors and, if limiting factors will impact ability to serve projected growth, what corrective measures are anticipated (e.g. obtain more water rights or build a new storage tank). 	
Wellhead Protection Program consistent with local provisions for such programs	Y	Section 7.7, Appendix K	Include information and mapping on Wellhead Protection Areas.	
Emergency Response Program	Y	Chapter 9	WSP should include information on emergency response measures (see Water	

CWSP Requirements	Y/N	Pg #	Comments	Notes
Meet the CWSP Design and Construction Standard requirements including adopted local fire protection standards (i.e. levels of fire flow to meet Pierce County code for entire service area in PCC 17C)	Y	Section 2.6, Section 5.7.1, Table 5-9	Include brief discussion of compliance with Pierce County Codes (PCC) 19D.130, 17C.60.160 and 165.	
Capital improvements needed to provide LOS in each land use designation. For additional water service, the WSP shall include planned capital facilities necessary to provide increased service.	Y	Chapters 11, 12; Table 11-1; Appendix M	Include a list of proposed capital improvements necessary to meet growth projections and funding options to pay for improvements. Purveyors are to design their systems to provide a level of service adequate for the expected land use of the area over the following 20-year time period.	
An inventory of potential sources and uses for reclaimed water.	Y	Section 4.5	At a minimum address the following: <u>Potential Sources</u> <ul style="list-style-type: none"> • Fish Hatcheries • Stormwater Impoundments • Sewage Treatment Plant Effluent • Industrial and Commercial Process and Cooling Water 	

CWSP Requirements	Y/N	Pg #	Comments	Notes
			<u>Potential Uses or Users</u> <ul style="list-style-type: none"> • Industries • Nurseries • Golf Courses and other Landscape Irrigators • Artificial Recharge of Aquifers • Parks and Parkways • Agricultural Irrigation • Flushing of Sanitary Sewers • Fire Protection • Street Cleaning, Dust Control, and other Washing Applications 	
Existing and proposed interties.	Y	Section 2.4, Figure 2-2, Appendix D	Identify existing and proposed interties on the water system map.	
Water District changes to the district legal boundary.	Y	Section 2.4, Figure 2-2	<ul style="list-style-type: none"> • Include information about any proposed expansions in a Water Districts legal boundaries and a map that compares the legal district boundary to the water service area. • Water District boundary changes must be sent to the Boundary Review Board and County Council per State law. 	

Revised 12-15-13

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Local Government Consistency Determination Form

Water System Name: City of Tacoma/Water Division (Tacoma Water) PWS ID: 86800N

Planning/Engineering Document Title: 2018 Water System Plan Plan Date: March 2018

Local Government with Jurisdiction Conducting Review: _____

Before the Department of Health (DOH) approves a planning or engineering submittal under Section 100 or Section 110, the local government must review the documentation the municipal water supplier provides to prove the submittal is consistent with **local comprehensive plans, land use plans and development regulations** (WAC 246-290-108). Submittals under Section 105 require a local consistency determination if the municipal water supplier requests a water right place-of-use expansion. The review must address the elements identified below as they relate to water service.

By signing this form, the local government reviewer confirms the document under review is consistent with applicable local plans and regulations. If the local government reviewer identifies an inconsistency, he or she should include the citation from the applicable comprehensive plan or development regulation and explain how to resolve the inconsistency, or confirm that the inconsistency is not applicable by marking N/A. See more instructions on reverse.

Local Government Consistency Statement	For use by water system	For use by local government
	Identify the page(s) in submittal	Yes or Not Applicable
a) The water system service area is consistent with the adopted <u>land use and zoning</u> within the service area.	Section 2.4 Figure 2-2 Appendix L	
b) The <u>growth projection</u> used to forecast water demand is consistent with the adopted city or county's population growth projections. If a different growth projection is used, provide an explanation of the alternative growth projection and methodology.	Tables 3-1 and 3-2 Figure 3-1 Appendix L	
c) For <u>cities and towns that provide water service</u> : All water service area policies of the city or town described in the plan conform to all relevant <u>utility service extension ordinances</u> .	Section 2.4 Figure 2-2	
d) <u>Service area policies</u> for new service connections conform to the adopted local plans and adopted development regulations of all cities and counties with jurisdiction over the service area.	Section 2.5 Table 2-3	
e) <u>Other relevant elements</u> related to water supply are addressed in the water system plan, if applicable. This may include Coordinated Water System Plans, Regional Wastewater Plans, Reclaimed Water Plans, Groundwater Management Area Plans, and the Capital Facilities Element of local comprehensive plans.	Section 2.5 Section 2.6 Section 4.6 Section 7.7 Section 11.2	

I certify that the above statements are true to the best of my knowledge and that these specific elements are consistent with adopted local plans and development regulations.

Signature _____

Date _____

Printed Name, Title, & Jurisdiction _____

Consistency Review Guidance

For Use by Local Governments and Municipal Water Suppliers

This checklist may be used to meet the requirements of WAC 246-290-108. When using an alternative format, it must describe all of the elements; 1a), b), c), d), and e), when they apply.

For **water system plans (WSP)**, a consistency review is required for the service area and any additional areas where a municipal water supplier wants to expand its water right's place of use.

For **small water system management programs**, a consistency review is only required for areas where a municipal water supplier wants to expand its water right's place-of-use. If no water right place-of-use expansion is requested, a consistency review is not required.

For **engineering documents**, a consistency review is required for areas where a municipal water supplier wants to expand its water right's place-of-use (water system plan amendment is required). For noncommunity water systems, a consistency review is required when requesting a place-of-use expansion. All engineering documents must be submitted with a service area map (WAC 246-290-110(4)(b)(ii)).

A) Documenting Consistency: The planning or engineering document must include the following when applicable.

- a) A copy of the adopted **land use/zoning** map corresponding to the service area. The uses provided in the WSP should be consistent with the adopted land use/zoning map. Include any other portions of comprehensive plans or development regulations that relate to water supply planning.
- b) A copy of the **growth projections** that correspond to the service area. If the local population growth projections are not used, explain in detail why the chosen projections more accurately describe the expected growth rate. Explain how it is consistent with the adopted land use.
- c) Include water service area policies and show that they are consistent with the **utility service extension ordinances** within the city or town boundaries. *This applies to cities and towns only.*
- d) All **service area policies** for how new water service will be provided to new customers.
- e) **Other relevant elements** the Department of Health determines are related to water supply planning. See Local Government Consistency – Other Relevant Elements, Policy B.07, September 2009.

B) Documenting an Inconsistency: Please document the inconsistency, include the citation from the comprehensive plan or development regulation, and explain how to resolve the inconsistency.

C) Documenting a Lack of Local Review for Consistency: Where the local government with jurisdiction did not provide a consistency review, document efforts made and the amount of time provided to the local government for review. Please include: name of contact, date, and efforts made (letters, phone calls, and emails). To self-certify, please contact the DOH Planner.

The Department of Health is an equal opportunity agency. For persons with disabilities, this document is available on request in other formats. To submit a request, please call 1-800-525-0127 (TTY 1-800-833-6388).