

**SEATTLE PUBLIC UTILITIES & CASCADE WATER ALLIANCE
MANAGEMENT AGREEMENT NO. 11**

**REVISIONS TO EXHIBIT II
Cascade Points of Delivery, Minimum Hydraulic Gradients,
and Maximum Flow Rates of Water Supplied**

This Management Agreement No. 11 is entered into by the Seattle Public Utilities ("SPU") and Cascade Water Alliance ("Cascade"), collectively "the Parties," pursuant to Section 4.1 of the 2nd Amended and Restated Declining Block Water Supply Agreement between the City of Seattle, acting through its Seattle Public Utilities and the Cascade Water Alliance", dated July 15, 2013 (the "2013 Agreement").

Recitals

- A. Section 4.1 B, of the 2013 Agreement provides:
Cascade Points of Delivery are specifically identified in Exhibit II. The Parties may amend the location, hydraulic gradient and instantaneous flows at each Cascade Point of Delivery by Management Agreement.
- B. A new Point of Delivery ("POD") has been constructed and the Parties desire that it should be added to Exhibit II as Station No. 198.
- C. The Parties identified pipeline segments within which all or some of the maximum flow rate allocated to one POD may be allocated to another POD within the same segment, provided that the total maximum flow rate of all Cascade PODs within the segment is not exceeded. To reflect that, the Parties desire to show the maximum flow rate within some segments, or portions thereof, as an aggregated value across several PODs on Exhibit II of the Agreement.

Management Agreement


1. The revised exhibit, attached and incorporated herein as "Revised Exhibit II - Cascade Points of Delivery, Minimum Hydraulic Gradients, and Maximum Flow Rates of Water Supplied, dated May 11, 2020," replaces in its entirety the existing Exhibit II, which was agreed to in Management Agreement No. 9 dated May 27, 2014.

Agreed to:

Mami Hara Digitally signed by Mami Hara
Date: 2020.05.29 17:27:24
-07'00'

Mami Hara
SPU General Manager, CEO
Seattle Public Utilities

date



5/11/20

Ray Hoffman
Cascade Water Alliance, CEO
Cascade Water Alliance

date

Attachment: Revised Exhibit II, Cascade Points of Delivery, Minimum Hydraulic Gradients, and Maximum Flow Rates of Water Supplied, dated May 11, 2020

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Exhibit II
CASCADE POINTS OF DELIVERY⁽¹⁾, MINIMUM HYDRAULIC GRADIENTS, AND
MAXIMUM FLOW RATES OF WATER SUPPLIED

POINT OF DELIVERY (POD)							MINIMUM HYDRAULIC GRADIENT UPSTREAM OF SEATTLE METER (FEET NAVD-88 Datum) ⁽³⁾	MAXIMUM FLOW UP TO WHICH HYDRAULIC GRADIENT IS GUARANTEED UNDER THE AGREEMENT ⁽³⁾⁽⁴⁾ (gpm)
SEATTLE METER LOCATION	CASCADE MEMBER OPERATING DOWNSTREAM OF POD	SEATTLE STATION NUMBER	SEATTLE PIPELINE SEGMENT NUMBER	SEATTLE METER SIZE (IN.)	CASCADE MEMBERS SERVED	SIZE OF CASCADE MEMBER METER(S), (IN.) ⁽²⁾		
132nd Ave. NE & NE 113th Street	Kirkland	74	1	10"	Kirkland, Redmond	12"	555	3,540
132nd Ave. NE & NE 85th Street	Kirkland	75	1	16"	Kirkland, Redmond	None	535	4,890
140th Ave. NE & NE 70th Street	Kirkland	72	2	12"	Kirkland, Redmond	12"	520	1,430
140th Ave. NE & 40th Street	Bellevue	65	2	10"	Bellevue, Redmond	18"	500	15,500
132nd Ave. NE & Bel-Red Road	Bellevue	62	2	12"	Bellevue	12"	470	
132nd Ave. NE & NE 24th Street	Bellevue	63	2	10"	Bellevue	12"8" ⁽⁵⁾	455	
140th Ave NE & NE 8th Street	Bellevue	198	2	12"	Bellevue	12"	460	
152nd Ave. NE & NE 8th Street	Bellevue	61	2	24"	Bellevue, Redmond	16"	460	
145th Pl SE & SE 28th Street	Bellevue	58	3	12"	Bellevue	16"	470	
14509 SE Newport Way	Bellevue	60	3	10"	Bellevue, Issaquah	12"	525	
14509 SE Newport Way	Bellevue	182	3	10"	Bellevue, Issaquah, Sammamish Plateau	12"8"8" ⁽⁶⁾	525	5,810
132nd Ave SE & SE 26th ST	Bellevue	59	8	8"	Bellevue	8"	425	2,725
128th Ave. SE & Newport Way	Bellevue	56	8	8"	Bellevue	8"	435	
128th Ave SE & SE 56th ST	Bellevue	47	8	8"	Bellevue	6"	440	
128th Ave SE & Newport Way	Bellevue	55	8	6"	Bellevue	6"	435	
128th Ave SE & SE 70th ST	N/A	52	8	12"	Bellevue	N/A	445	

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SEATTLE METER LOCATION	CASCADE MEMBER OPERATING DOWNSTREAM OF POD	SEATTLE STATION NUMBER	SEATTLE PIPELINE SEGMENT NUMBER	SEATTLE METER SIZE (IN.)	CASCADE MEMBERS SERVED	SIZE OF CASCADE MEMBER METER(S), (IN.) ⁽²⁾		
East Channel Bridge Pipeline & 108th Ave. SE	Bellevue	66	9	8"	Bellevue	4"/10"	420	2,200
124th Ave SE & SE 38 PL	Bellevue	124	9	8"	Bellevue	8"	425	
Cornell Ave S & S 112th Street	Skyway	172	4	6"	Skyway	None	375	Backup service ⁽⁸⁾
84th Ave. S & S 134th Street	Skyway	1	10	8"	Skyway	None	455	210
Beacon Ave S & S 124th Street	Skyway	5	10	8"	Skyway	8"	455	720
W Marginal Place & S 102nd ST	Tukwila	170	5	12"	Tukwila	12"	300	300
51st Ave S & S Leo Street	Tukwila	169	12	8"	Tukwila	8"	455	70
47th Ave S & S Victor Street	Tukwila	173	12	6"	Tukwila	6"	425	Backup service
South Center Parkway & Tukwila Parkway	Tukwila	13	13	10"	Tukwila	10"	460	800
West Valley Hwy & S 162nd Street	Tukwila	14	13	8"	Tukwila	8"	460	Backup service
Christensen Rd. & Baker Rd	Tukwila	15	13	8"	Tukwila	10"	460	840
53rd Ave S & S 160th Street	Tukwila	16	13	6"	Tukwila	6"	460	20
E Marginal Way & S 112th Street	Tukwila	183	15	12"	Tukwila	12"	445	900
7749 E Marginal Way S	Tukwila	168	20	12"	Tukwila	12"	N/A	Backup service ⁽⁸⁾
Trilogy Parkway NE & NE 125 Street (East meter)	Redmond	164	28	10"	Redmond, Sammamish Plateau	16"	610	2,900
Trilogy Parkway NE & NE 125 Street (West Meter)	Redmond	186	28	10"	Redmond, Sammamish Plateau	16"	610	

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SEATTLE METER LOCATION	CASCADE MEMBER OPERATING DOWNSTREAM OF POD	SEATTLE STATION NUMBER	SEATTLE PIPELINE SEGMENT NUMBER	SEATTLE METER SIZE (IN.)	CASCADE MEMBERS SERVED	SIZE OF CASCADE MEMBER METER(S), (IN.) ⁽²⁾		
160th Ave NE & NE 104th Street	Redmond	165	28	10"	Redmond	16"	515	2,420
NE 172nd Street & Tok Pipeline No. 2	Redmond	185	28	6"	Redmond	16"	515	
							TOTAL:	51,375

Notes:

1. All Points of Delivery (PODs) provide a wholesale level of service. Seattle bears no responsibility for retail service level obligations, such as fire flow or emergency backup.
2. This column is for informational purposes only, i.e., there are no related terms or conditions under the Agreement. Cascade will be responsible for providing Seattle with updated Cascade Member information from time to time.
3. These minimum hydraulic gradients and maximum flows relate to contractual conditions under the Agreement, but do not necessarily reflect practical or operational limits at particular PODs.
4. Except as provided in Note 7 below, all or some of the maximum flows allocated to each POD may be reallocated to another POD on the same Pipeline Segment Number, including those PODs designated as Backup Services. In that case, minimum hydraulic gradients are not guaranteed.
5. Flow branches into two metered Bellevue pipelines downstream of Station 63.
6. The 12" Bellevue meter is located at 4112 161st Ave SE. The two 8" meters that each serve Issaquah and the Sammamish Plateau are located at 16104 SE Newport Way in a single meter vault.
7. The maximum flow shown is the portion serving Bellevue via Coal Creek Utility District. All or a portion of this maximum flow may be reallocated from this POD to other PODs on the same Pipeline Segment Number, but additional flows from other PODs may not be reallocated to this POD.
8. When a Backup Service is the only POD on a Pipeline Segment Number, the Cascade Member operating the Backup Service can re-allocate all or portions of the maximum flows from other PODs it operates to that Backup Service, regardless of Pipeline Segment Number. In that case minimum hydraulic gradients are not guaranteed.