

【費用便益算定シート】  
・円山川総合水環境整備事業（全体事業）

基準（評価）年度	2025 (R07)
供用年度	2035 (R17)
社会的割引率	4%

[単位：百万円]

年度	t	西暦	和暦	テフル-α 換算係数	割引率	便益：B						費用：C								
						便益①			残存価値②		計①+②	建設費③			維持管理費④			計③+④		
						便益	実質価格	現在価値	実質価格	現在価値		費用	実質価格	現在価値	費用	実質価格	現在価値	費用	実質価格	現在価値
-22	2003	H15	1.365	2.370							211.4	288.5	683.7				211.4	288.5	683.7	
-21	2004	H16	1.360	2.279							517.5	703.9	1,604.0				517.5	703.9	1,604.0	
-20	2005	H17	1.353	2.191							60.2	81.5	178.6				60.2	81.5	178.6	
-19	2006	H18	1.338	2.107							365.0	488.3	1,028.8				365.0	488.3	1,028.8	
-18	2007	H19	1.317	2.026	70.9	93.5	189.4			189.4	91.4	120.5	244.1	1.7	2.2	4.5	93.1	122.7	248.6	
-17	2008	H20	1.279	1.948	79.9	102.2	199.1			199.1	210.8	269.5	525.0	1.7	2.2	4.3	212.5	271.7	529.3	
-16	2009	H21	1.320	1.873	86.8	114.6	214.6			214.6	305.2	403.0	754.8	1.8	2.4	4.5	307.0	405.4	759.3	
-15	2010	H22	1.319	1.801	86.8	114.4	206.0			206.0	169.0	223.0	401.6	2.1	2.8	5.0	171.1	225.8	406.6	
-14	2011	H23	1.287	1.732	86.8	111.7	193.4			193.4	228.6	294.2	509.5	2.2	2.8	4.8	230.8	297.0	514.3	
-13	2012	H24	1.291	1.665	86.8	112.0	186.5			186.5	213.8	276.0	459.6	2.3	3.0	5.0	216.1	279.0	464.6	
-12	2013	H25	1.264	1.601	86.8	109.7	175.6			175.6	211.4	267.2	427.8	2.5	3.2	5.1	213.9	270.4	432.9	
-11	2014	H26	1.224	1.539	86.8	106.2	163.5			163.5	222.2	271.9	418.6	2.6	3.2	4.9	224.8	275.1	423.5	
-10	2015	H27	1.220	1.480	90.4	110.2	163.1			163.1	223.2	272.4	403.2	2.8	3.4	5.0	226.0	275.8	408.2	
-9	2016	H28	1.213	1.423	95.3	115.5	164.4			164.4	467.2	566.6	806.4	2.9	3.5	5.0	470.1	570.1	811.4	
-8	2017	H29	1.186	1.369	95.3	112.9	154.5			154.5	217.4	257.8	352.8	4.4	5.2	7.1	221.8	263.0	359.9	
-7	2018	H30	1.146	1.316	129.4	148.3	195.2			195.2	272.1	311.7	410.2	4.4	5.0	6.6	276.5	316.7	416.8	
-6	2019	R01	1.120	1.265	276.7	310.0	392.2			392.2	165.2	185.1	234.2	4.4	4.9	6.2	169.6	190.0	240.4	
-5	2020	R02	1.119	1.217	281.2	314.7	382.9			382.9	31.6	35.3	42.9	5.2	5.8	7.1	36.8	41.1	50.0	
-4	2021	R03	1.079	1.170	297.7	321.1	375.6			375.6	128.5	138.6	162.1	5.4	5.8	6.8	133.9	144.4	168.9	
-3	2022	R04	1.030	1.125	297.7	306.5	344.8			344.8	194.0	199.8	224.7	5.4	5.6	6.3	199.4	205.4	231.0	
-2	2023	R05	1.000	1.082	297.7	297.7	322.0			322.0	174.7	174.7	189.0	6.7	6.7	7.2	181.4	181.4	196.2	
-1	2024	R06	1.000	1.040	297.7	297.7	309.6			309.6	179.2	179.2	186.4	6.7	6.7	7.0	185.9	185.9	193.4	
	2025	R07	1.000	1.000	297.7	297.7	297.7			297.7	129.3	129.3	129.3	6.7	6.7	6.7	136.0	136.0	136.0	
1	2026	R08	1.000	0.962	297.7	297.7	286.3			286.3	232.9	232.9	223.9	6.7	6.7	6.4	239.6	239.6	230.3	
2	2027	R09	1.000	0.925	297.7	297.7	275.2			275.2	327.1	327.1	302.4	6.7	6.7	6.2	333.8	333.8	308.6	
3	2028	R10	1.000	0.889	297.7	297.7	264.7			264.7	123.1	123.1	109.4	6.7	6.7	6.0	129.8	129.8	115.4	
4	2029	R11	1.000	0.855	297.7	297.7	254.5			254.5	133.9	133.9	114.5	6.7	6.7	5.7	140.6	140.6	120.2	
5	2030	R12	1.000	0.822	297.7	297.7	244.7			244.7	26.2	26.2	21.5	6.7	6.7	5.5	32.9	32.9	27.0	
6	2031	R13	1.000	0.790	297.7	297.7	235.3			235.3	26.2	26.2	20.7	6.7	6.7	5.3	32.9	32.9	26.0	
7	2032	R14	1.000	0.760	336.5	336.5	255.7			255.7	24.9	24.9	18.9	8.0	8.0	6.1	32.9	32.9	25.0	
8	2033	R15	1.000	0.731	336.5	336.5	245.9			245.9	24.9	24.9	18.2	8.0	8.0	5.8	32.9	32.9	24.0	
9	2034	R16	1.000	0.703	336.5	336.5	236.4			236.4	48.6	48.6	34.1	8.0	8.0	5.6	56.6	56.6	39.7	
10	2035	R17	1.000	0.676	403.5	403.5	272.6			272.6				9.3	9.3	6.3	9.3	9.3	6.3	
11	2036	R18	1.000	0.650	403.5	403.5	262.1			262.1				9.3	9.3	6.0	9.3	9.3	6.0	
12	2037	R19	1.000	0.625	403.5	403.5	252.0			252.0				9.3	9.3	5.8	9.3	9.3	5.8	
13	2038	R20	1.000	0.601	403.5	403.5	242.3			242.3				9.3	9.3	5.6	9.3	9.3	5.6	
14	2039	R21	1.000	0.577	403.5	403.5	233.0			233.0				9.3	9.3	5.4	9.3	9.3	5.4	
15	2040	R22	1.000	0.555	403.5	403.5	224.0			224.0				9.3	9.3	5.2	9.3	9.3	5.2	
16	2041	R23	1.000	0.534	403.5	403.5	215.4			215.4				9.3	9.3	5.0	9.3	9.3	5.0	
17	2042	R24	1.000	0.513	403.5	403.5	207.1			207.1				9.3	9.3	4.8	9.3	9.3	4.8	
18	2043	R25	1.000	0.494	403.5	403.5	199.2			199.2				9.3	9.3	4.6	9.3	9.3	4.6	
19	2044	R26	1.000	0.475	403.5	403.5	191.5			191.5				9.3	9.3	4.4	9.3	9.3	4.4	
20	2045	R27	1.000	0.456	403.5	403.5	184.2			184.2				9.3	9.3	4.2	9.3	9.3	4.2	
21	2046	R28	1.000	0.439	403.5	403.5	177.1			177.1				9.3	9.3	4.1	9.3	9.3	4.1	
22	2047	R29	1.000	0.422	403.5	403.5	170.3			170.3				9.3	9.3	3.9	9.3	9.3	3.9	
23	2048	R30	1.000	0.406	403.5	403.5	163.7			163.7				9.3	9.3	3.8	9.3	9.3	3.8	
24	2049	R31	1.000	0.390	403.5	403.5	157.4			157.4				9.3	9.3	3.6	9.3	9.3	3.6	
25	2050	R32	1.000	0.375	403.5	403.5	151.4			151.4				9.3	9.3	3.5	9.3	9.3	3.5	
26	2051	R33	1.000	0.361	403.5	403.5	145.5			145.5				9.3	9.3	3.4	9.3	9.3	3.4	
27	2052	R34	1.000	0.347	403.5	403.5	139.9			139.9				9.3	9.3	3.2	9.3	9.3	3.2	
28	2053	R35	1.000	0.333	403.5	403.5	134.6			134.6				9.3	9.3	3.1	9.3	9.3	3.1	
29	2054	R36	1.000	0.321	403.5	403.5	129.4			129.4				9.3	9.3	3.0	9.3	9.3	3.0	
30	2055	R37	1.000	0.308	403.5	403.5	124.4			124.4				9.3	9.3	2.9	9.3	9.3	2.9	
31	2056	R38	1.000	0.296	403.5	403.5	119.6	87.0	25.8	145.4				9.3	9.3	2.8	9.3	9.3	2.8	
32	2057	R39	1.000	0.285	332.6	332.6	94.8			94.8				9.3	9.3	2.7	9.3	9.3	2.7	
33	2058	R40	1.000	0.274	323.6	323.6	88.7			88.7				9.3	9.3	2.5	9.3	9.3	2.5	
34	2059	R41	1.000	0.264	316.7	316.7	83.5			83.5				9.3	9.3	2.5	9.3	9.3	2.5	
35	2060	R42	1.000	0.253	316.7	316.7	80.3			80.3				9.3	9.3	2.4	9.3	9.3	2.4	
36	2061	R43	1.000	0.244	316.7	316.7	77.2			77.2				9.3	9.3	2.3	9.3	9.3	2.3	
37	2062	R44	1.000	0.234	316.7	316.7	74.2			74.2				9.3	9.3	2.2	9.3	9.3	2.2	
38	2063	R45	1.000	0.225	316.7	316.7	71.3			71.3				9.3	9.3	2.1	9.3	9.3	2.1	
39	2064	R46	1.000	0.217	316.7	316.7	68.6			68.6				9.3	9.3	2.0	9.3	9.3	2.0	
40	2065	R47	1.000	0.208	313.1	313.1	65.2	1.8	0.4	65.6				9.3	9.3	1.9	9.3	9.3	1.9	
41	2066	R48	1.000	0.200	308.2	308.2	61.7			61.7				9.3	9.3	1.9	9.3	9.3	1.9	
42	2067	R49	1.000	0.193	308.2	308.2	59.4			59.4				9.3	9.3	1.8	9.3	9.3	1.8	
43	2068	R50	1.000	0.185	274.1	274.1	50.8	361.9	67.0	117.8				9.3	9.3	1.7	9.3	9.3	1.7	
44	2069	R51	1.000	0.178	126.8	126.8	22.6			22.6				9.3	9.3	1.7	9.3	9.3	1.7	
45	2070	R52	1.000	0.171	122.3	122.3	20.9			20.9				9.3	9.3	1.6	9.3	9.3	1.6	
46	2071	R53	1.000	0.165	105.8	105.8	17.4			17.4				9.3	9.3	1.5	9.3	9.3	1.5	
47	2072	R54	1.000	0.158	105.8	105.8	16.7			16.7				9.3	9.3	1.5	9.3	9.3	1.5	
48	2073	R55	1.000	0.152	105.8	105.8	16.1			16.1				8.0	8.0	1.2	8.0	8.0	1.2	
49	2074	R56	1.000	0.146	105.8	105.8	15.5			15.5				8.0	8.0	1				



【費用便益算定シート】

・円山川総合水系環境整備事業（全体事業）

・参考比較：社会的割引率2%

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	R5以降 2%

【単位：百万円】

年度	t	西暦	和暦	デフレ率 換算係数	割引率	便益：B				費用：C									
						便益①		残存価値②		建設費③		維持管理費④		計③+④					
						便益	実質価格 現在価値	実質価格 現在価値	現在価値	費用	実質価格 現在価値	費用	実質価格 現在価値	費用	実質価格 現在価値				
-22	2003	H15	1.365	2.281						211.4	288.5	658.1			211.4	288.5	658.1		
-21	2004	H16	1.360	2.193						517.5	703.9	1,543.7			517.5	703.9	1,543.7		
-20	2005	H17	1.353	2.109						60.2	81.5	171.9			60.2	81.5	171.9		
-19	2006	H18	1.338	2.028						365.0	488.3	990.3			365.0	488.3	990.3		
-18	2007	H19	1.317	1.950	70.9	93.5	182.3			182.3	91.4	120.5	235.0	1.7	2.2	4.3	93.1	122.7	239.3
-17	2008	H20	1.279	1.875	79.9	102.2	191.6			191.6	210.8	269.5	505.3	1.7	2.2	4.1	212.5	271.7	509.4
-16	2009	H21	1.220	1.803	86.8	114.6	206.6			206.6	305.2	403.0	726.6	1.8	2.4	4.3	307.0	405.4	730.9
-15	2010	H22	1.191	1.734	86.8	114.4	198.4			198.4	169.0	223.0	386.7	2.1	2.8	4.9	171.1	225.8	391.6
-14	2011	H23	1.167	1.667	86.8	111.7	186.2			186.2	228.6	294.2	490.4	2.2	2.8	4.7	230.8	297.0	495.1
-13	2012	H24	1.141	1.603	86.8	112.0	179.5			179.5	213.8	276.0	442.4	2.3	3.0	4.8	216.1	279.0	447.2
-12	2013	H25	1.114	1.541	86.8	109.7	169.0			169.0	211.4	267.2	411.8	2.5	3.2	4.9	213.9	270.4	416.7
-11	2014	H26	1.124	1.482	86.8	106.2	157.4			157.4	222.2	271.9	403.0	2.6	3.2	4.7	224.8	275.1	407.7
-10	2015	H27	1.220	1.425	90.4	110.2	157.0			157.0	223.2	272.4	388.2	2.8	3.4	4.8	226.0	275.8	393.0
-9	2016	H28	1.213	1.370	95.3	115.5	158.2			158.2	217.4	266.6	339.5	2.9	3.5	4.8	226.0	275.8	393.0
-8	2017	H29	1.186	1.317	95.3	112.9	148.7			148.7	217.4	257.8	339.5	4.4	5.2	6.8	221.8	263.0	346.3
-7	2018	H30	1.146	1.266	129.4	148.3	187.7			187.7	272.1	311.7	394.6	4.4	5.0	6.3	276.5	316.7	400.9
-6	2019	R01	1.120	1.217	276.7	310.0	377.3			377.3	165.2	185.1	225.3	4.4	4.9	6.0	169.6	190.0	231.3
-5	2020	R02	1.119	1.170	281.2	314.7	368.2			368.2	31.6	35.3	41.3	5.2	5.8	6.8	36.8	41.1	48.1
-4	2021	R03	1.079	1.125	297.7	321.1	361.2			361.2	128.5	138.6	155.9	5.4	5.8	6.5	133.9	144.4	162.4
-3	2022	R04	1.030	1.082	297.7	306.5	331.6			331.6	194.0	199.8	216.2	5.4	5.6	6.1	199.4	205.4	222.3
-2	2023	R05	1.000	1.040	297.7	297.7	309.6			309.6	174.7	174.7	181.7	6.7	6.7	7.0	181.4	181.4	188.7
-1	2024	R06	1.000	1.020	297.7	297.7	303.7			303.7	179.2	179.2	182.8	6.7	6.7	6.8	185.9	185.9	189.6
	2025	R07	1.000	1.000	297.7	297.7	297.7			297.7	129.3	129.3	129.3	6.7	6.7	6.7	136.0	136.0	136.0
1	2026	R08	1.000	0.980	297.7	297.7	291.7			291.7	232.9	232.9	228.2	6.7	6.7	6.6	239.6	239.6	234.8
2	2027	R09	1.000	0.961	297.7	297.7	286.1			286.1	327.1	327.1	314.3	6.7	6.7	6.4	333.8	333.8	320.7
3	2028	R10	1.000	0.942	297.7	297.7	280.4			280.4	123.1	123.1	116.0	6.7	6.7	6.3	129.8	129.8	122.3
4	2029	R11	1.000	0.924	297.7	297.7	275.1			275.1	133.9	133.9	123.7	6.7	6.7	6.2	140.6	140.6	129.9
5	2030	R12	1.000	0.906	297.7	297.7	269.7			269.7	26.2	26.2	23.7	6.7	6.7	6.1	32.9	32.9	29.8
6	2031	R13	1.000	0.888	297.7	297.7	264.4			264.4	26.2	26.2	23.3	6.7	6.7	5.9	32.9	32.9	29.2
7	2032	R14	1.000	0.871	336.5	336.5	293.1			293.1	24.9	24.9	21.7	8.0	8.0	7.0	32.9	32.9	28.7
8	2033	R15	1.000	0.854	336.5	336.5	287.4			287.4	24.9	24.9	21.3	8.0	8.0	6.8	32.9	32.9	28.1
9	2034	R16	1.000	0.837	336.5	336.5	281.7			281.7	48.6	48.6	40.7	8.0	8.0	6.7	56.6	56.6	47.4
10	2035	R17	1.000	0.821	403.5	403.5	331.3			331.3				9.3	9.3	7.6	9.3	9.3	7.6
11	2036	R18	1.000	0.805	403.5	403.5	324.8			324.8				9.3	9.3	7.5	9.3	9.3	7.5
12	2037	R19	1.000	0.789	403.5	403.5	318.4			318.4				9.3	9.3	7.3	9.3	9.3	7.3
13	2038	R20	1.000	0.774	403.5	403.5	312.3			312.3				9.3	9.3	7.2	9.3	9.3	7.2
14	2039	R21	1.000	0.759	403.5	403.5	306.3			306.3				9.3	9.3	7.1	9.3	9.3	7.1
15	2040	R22	1.000	0.744	403.5	403.5	300.2			300.2				9.3	9.3	6.9	9.3	9.3	6.9
16	2041	R23	1.000	0.729	403.5	403.5	294.2			294.2				9.3	9.3	6.8	9.3	9.3	6.8
17	2042	R24	1.000	0.715	403.5	403.5	288.5			288.5				9.3	9.3	6.6	9.3	9.3	6.6
18	2043	R25	1.000	0.701	403.5	403.5	282.9			282.9				9.3	9.3	6.5	9.3	9.3	6.5
19	2044	R26	1.000	0.687	403.5	403.5	277.2			277.2				9.3	9.3	6.4	9.3	9.3	6.4
20	2045	R27	1.000	0.674	403.5	403.5	272.0			272.0				9.3	9.3	6.3	9.3	9.3	6.3
21	2046	R28	1.000	0.661	403.5	403.5	266.7			266.7				9.3	9.3	6.1	9.3	9.3	6.1
22	2047	R29	1.000	0.648	403.5	403.5	261.5			261.5				9.3	9.3	6.0	9.3	9.3	6.0
23	2048	R30	1.000	0.635	403.5	403.5	256.2			256.2				9.3	9.3	5.9	9.3	9.3	5.9
24	2049	R31	1.000	0.623	403.5	403.5	251.4			251.4				9.3	9.3	5.8	9.3	9.3	5.8
25	2050	R32	1.000	0.611	403.5	403.5	246.5			246.5				9.3	9.3	5.7	9.3	9.3	5.7
26	2051	R33	1.000	0.599	403.5	403.5	241.7			241.7				9.3	9.3	5.6	9.3	9.3	5.6
27	2052	R34	1.000	0.587	403.5	403.5	236.9			236.9				9.3	9.3	5.5	9.3	9.3	5.5
28	2053	R35	1.000	0.575	403.5	403.5	232.0			232.0				9.3	9.3	5.3	9.3	9.3	5.3
29	2054	R36	1.000	0.564	403.5	403.5	227.6			227.6				9.3	9.3	5.2	9.3	9.3	5.2
30	2055	R37	1.000	0.553	403.5	403.5	223.1			223.1				9.3	9.3	5.1	9.3	9.3	5.1
31	2056	R38	1.000	0.542	403.5	403.5	218.7	87.0	47.1	265.8				9.3	9.3	5.0	9.3	9.3	5.0
32	2057	R39	1.000	0.531	332.6	332.6	176.6			176.6				9.3	9.3	4.9	9.3	9.3	4.9
33	2058	R40	1.000	0.521	323.6	323.6	168.6			168.6				9.3	9.3	4.8	9.3	9.3	4.8
34	2059	R41	1.000	0.511	316.7	316.7	161.8			161.8				9.3	9.3	4.8	9.3	9.3	4.8
35	2060	R42	1.000	0.501	316.7	316.7	158.7			158.7				9.3	9.3	4.7	9.3	9.3	4.7
36	2061	R43	1.000	0.491	316.7	316.7	155.5			155.5				9.3	9.3	4.6	9.3	9.3	4.6
37	2062	R44	1.000	0.481	316.7	316.7	152.3			152.3				9.3	9.3	4.5	9.3	9.3	4.5
38	2063	R45	1.000	0.472	316.7	316.7	149.5			149.5				9.3	9.3	4.4	9.3	9.3	4.4
39	2064	R46	1.000	0.463	316.7	316.7	146.6			146.6				9.3	9.3	4.3	9.3	9.3	4.3
40	2065	R47	1.000	0.454	313.1	313.1	142.1	1.8	0.8	142.9				9.3	9.3	4.2	9.3	9.3	4.2

【費用便益算定シート】

・円山川総合水系環境整備事業（全体事業）

・参考比較：社会的割引率 1%

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	R5以降 1%

[単位：百万円]

年度	t	西暦	和暦	デフレ率 換算係数	割引率	便益：B			費用：C											
						便益①			残存価値②		建設費③		維持管理費④		計③+④					
						便益	実質価格	現在価値	実質価格	現在価値	費用	実質価格	現在価値	費用	実質価格	現在価値				
-22	2003	H15	1.365	2.237							211.4	288.5	645.4				211.4	288.5	645.4	
-21	2004	H16	1.360	2.151							517.5	703.9	1,514.1				517.5	703.9	1,514.1	
-20	2005	H17	1.353	2.068							60.2	81.5	168.5				60.2	81.5	168.5	
-19	2006	H18	1.338	1.988							365.0	488.3	970.7				365.0	488.3	970.7	
-18	2007	H19	1.317	1.912		70.9	93.5	178.8			178.8	91.4	120.5	230.4	1.7	2.2	4.2	93.1	122.7	234.6
-17	2008	H20	1.279	1.838		79.9	102.2	187.8			187.8	210.8	269.5	495.3	1.7	2.2	4.0	212.5	271.7	499.3
-16	2009	H21	1.320	1.767		86.8	114.6	202.5			202.5	305.2	403.0	712.1	1.8	2.4	4.2	307.0	405.4	716.3
-15	2010	H22	1.319	1.699		86.8	114.4	194.4			194.4	169.0	223.0	378.9	2.1	2.8	4.8	171.1	225.8	383.7
-14	2011	H23	1.287	1.634		86.8	111.7	182.5			182.5	228.6	294.2	480.7	2.2	2.8	4.6	230.8	297.0	485.3
-13	2012	H24	1.291	1.571		86.8	112.0	176.0			176.0	213.8	276.0	433.6	2.3	3.0	4.7	216.1	279.0	438.3
-12	2013	H25	1.264	1.511		86.8	109.7	165.8			165.8	211.4	267.2	403.7	2.5	3.2	4.8	213.9	270.4	408.5
-11	2014	H26	1.224	1.453		86.8	106.2	154.3			154.3	222.2	271.9	395.1	2.6	3.2	4.6	224.8	275.1	399.7
-10	2015	H27	1.220	1.397		90.4	110.2	153.9			153.9	223.2	272.4	380.5	2.8	3.4	4.7	226.0	275.8	385.2
-9	2016	H28	1.213	1.343		95.3	115.5	155.1			155.1	467.2	566.6	760.9	2.9	3.5	4.7	470.1	570.1	765.6
-8	2017	H29	1.186	1.291		95.3	112.9	145.8			145.8	217.4	257.8	332.8	4.4	5.2	6.7	221.8	263.0	339.5
-7	2018	H30	1.146	1.241		129.4	148.3	184.0			184.0	272.1	311.7	386.8	4.4	5.0	6.2	276.5	316.7	393.0
-6	2019	R01	1.120	1.193		276.7	310.0	369.8			369.8	165.2	185.1	220.8	4.4	4.9	5.8	169.6	190.0	226.6
-5	2020	R02	1.119	1.147		281.2	314.7	361.0			361.0	31.6	35.3	40.5	5.2	5.8	6.7	36.8	41.1	47.2
-4	2021	R03	1.079	1.103		297.7	321.1	354.2			354.2	128.5	138.6	152.9	5.4	5.8	6.4	133.9	144.4	159.3
-3	2022	R04	1.030	1.061		297.7	306.5	325.2			325.2	194.0	199.8	212.0	5.4	5.6	5.9	199.4	205.4	217.9
-2	2023	R05	1.000	1.020		297.7	297.7	303.7			303.7	174.7	174.7	178.2	6.7	6.7	6.8	181.4	181.4	185.0
-1	2024	R06	1.000	1.010		297.7	297.7	300.7			300.7	179.2	179.2	181.0	6.7	6.7	6.8	185.9	185.9	187.8
	2025	R07	1.000	1.000		297.7	297.7	297.7			297.7	129.3	129.3	129.3	6.7	6.7	6.7	136.0	136.0	136.0
1	2026	R08	1.000	0.990		297.7	297.7	294.7			294.7	232.9	232.9	230.6	6.7	6.7	6.6	239.6	239.6	237.2
2	2027	R09	1.000	0.980		297.7	297.7	291.7			291.7	327.1	327.1	320.6	6.7	6.7	6.6	333.8	333.8	327.2
3	2028	R10	1.000	0.970		297.7	297.7	288.8			288.8	123.1	123.1	119.4	6.7	6.7	6.5	129.8	129.8	125.9
4	2029	R11	1.000	0.960		297.7	297.7	285.8			285.8	133.9	133.9	128.5	6.7	6.7	6.4	140.6	140.6	134.9
5	2030	R12	1.000	0.950		297.7	297.7	282.8			282.8	26.2	26.2	24.9	6.7	6.7	6.4	32.9	32.9	31.3
6	2031	R13	1.000	0.941		297.7	297.7	280.1			280.1	26.2	26.2	24.7	6.7	6.7	6.3	32.9	32.9	31.0
7	2032	R14	1.000	0.932		336.5	336.5	313.6			313.6	24.9	24.9	23.2	8.0	8.0	7.5	32.9	32.9	30.7
8	2033	R15	1.000	0.923		336.5	336.5	310.6			310.6	24.9	24.9	23.0	8.0	8.0	7.4	32.9	32.9	30.4
9	2034	R16	1.000	0.914		336.5	336.5	307.6			307.6	48.6	48.6	44.4	8.0	8.0	7.3	56.6	56.6	51.7
10	2035	R17	1.000	0.905		403.5	403.5	365.2			365.2				9.3	9.3	8.3	9.3	9.3	8.4
11	2036	R18	1.000	0.896		403.5	403.5	361.5			361.5				9.3	9.3	8.4	9.3	9.3	8.3
12	2037	R19	1.000	0.887		403.5	403.5	357.9			357.9				9.3	9.3	8.2	9.3	9.3	8.2
13	2038	R20	1.000	0.878		403.5	403.5	354.3			354.3				9.3	9.3	8.2	9.3	9.3	8.2
14	2039	R21	1.000	0.869		403.5	403.5	350.6			350.6				9.3	9.3	8.1	9.3	9.3	8.1
15	2040	R22	1.000	0.860		403.5	403.5	347.0			347.0				9.3	9.3	8.0	9.3	9.3	8.0
16	2041	R23	1.000	0.851		403.5	403.5	343.4			343.4				9.3	9.3	7.9	9.3	9.3	7.9
17	2042	R24	1.000	0.843		403.5	403.5	340.2			340.2				9.3	9.3	7.8	9.3	9.3	7.8
18	2043	R25	1.000	0.835		403.5	403.5	336.9			336.9				9.3	9.3	7.8	9.3	9.3	7.8
19	2044	R26	1.000	0.827		403.5	403.5	333.7			333.7				9.3	9.3	7.7	9.3	9.3	7.7
20	2045	R27	1.000	0.819		403.5	403.5	330.5			330.5				9.3	9.3	7.6	9.3	9.3	7.6
21	2046	R28	1.000	0.811		403.5	403.5	327.2			327.2				9.3	9.3	7.5	9.3	9.3	7.5
22	2047	R29	1.000	0.803		403.5	403.5	324.0			324.0				9.3	9.3	7.5	9.3	9.3	7.5
23	2048	R30	1.000	0.795		403.5	403.5	320.8			320.8				9.3	9.3	7.4	9.3	9.3	7.4
24	2049	R31	1.000	0.787		403.5	403.5	317.6			317.6				9.3	9.3	7.3	9.3	9.3	7.3
25	2050	R32	1.000	0.779		403.5	403.5	314.3			314.3				9.3	9.3	7.2	9.3	9.3	7.2
26	2051	R33	1.000	0.771		403.5	403.5	311.1			311.1				9.3	9.3	7.2	9.3	9.3	7.2
27	2052	R34	1.000	0.763		403.5	403.5	307.9			307.9				9.3	9.3	7.1	9.3	9.3	7.1
28	2053	R35	1.000	0.755		403.5	403.5	304.6			304.6				9.3	9.3	7.0	9.3	9.3	7.0
29	2054	R36	1.000	0.748		403.5	403.5	301.8			301.8				9.3	9.3	7.0	9.3	9.3	7.0
30	2055	R37	1.000	0.741		403.5	403.5	299.0			299.0				9.3	9.3	6.9	9.3	9.3	6.9
31	2056	R38	1.000	0.734		403.5	403.5	296.2	87.0	63.8	360.0				9.3	9.3	6.8	9.3	9.3	6.8
32	2057	R39	1.000	0.727		332.6	332.6	241.8			241.8				9.3	9.3	6.8	9.3	9.3	6.8
33	2058	R40	1.000	0.720		332.6	332.6	233.0			233.0				9.3	9.3	6.7	9.3	9.3	6.7
34	2059	R41	1.000	0.713		316.7	316.7	225.8			225.8				9.3	9.3	6.6	9.3	9.3	6.6
35	2060	R42	1.000	0.706		316.7	316.7	223.6			223.6				9.3	9.3	6.6	9.3	9.3	6.6
36	2061	R43	1.000	0.699		316.7	316.7	221.4			221.4				9.3	9.3	6.5	9.3	9.3	6.5
37	2062	R44	1.000	0.692		316.7	316.7	219.2			219.2				9.3	9.3	6.4	9.3	9.3	6.4
38	2063	R45	1.000	0.685		316.7	316.7	216.9			216.9				9.3	9.3	6.4	9.3	9.3	6.4
39	2064	R46	1.000	0.67																

【費用便益算定シート】  
 ・円山川総合水系環境整備事業（残事業）  
 ・参考比較：社会的割引率2%

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	R5以降 2%

【単位：百万円】

年度	デルタ		割引率	便益①		便益・B		計①+②		建設費③		費用・C		計③+④				
	西暦	和暦		換算係数	便益	便益の差	現在価値	実質価格	中止	残存価値②	現在価値	費用	費用の差	現在価値	費用	費用の差	現在価値	
-22	2003	H15	1.365	1.546							211.4	211.4				211.4		
-21	2004	H16	1.360	1.516							517.5	517.5				517.5		
-20	2005	H17	1.353	1.486							60.2	60.2				60.2		
-19	2006	H18	1.348	1.457							365.0	365.0				365.0		
-18	2007	H19	1.317	1.428	70.9	70.9					91.4	91.4	1.7	1.7		93.1		
-17	2008	H20	1.279	1.400	79.9	79.9					210.8	210.8	1.7	1.7		212.5		
-16	2009	H21	1.320	1.373	86.8	86.8					305.2	305.2	1.8	1.8		307.0		
-15	2010	H22	1.319	1.346	86.8	86.8					169.0	169.0	2.1	2.1		171.1		
-14	2011	H23	1.287	1.319	86.8	86.8					228.6	228.6	2.2	2.2		230.8		
-13	2012	H24	1.291	1.294	86.8	86.8					213.8	213.8	2.3	2.3		216.1		
-12	2013	H25	1.264	1.268	86.8	86.8					211.4	211.4	2.5	2.5		213.9		
-11	2014	H26	1.224	1.243	86.8	86.8					222.2	222.2	2.6	2.6		224.8		
-10	2015	H27	1.220	1.219	90.4	90.4					223.2	223.2	2.8	2.8		226.0		
-9	2016	H28	1.213	1.195	95.3	95.3					467.2	467.2	2.9	2.9		470.1		
-8	2017	H29	1.186	1.172	95.3	95.3					217.4	217.4	4.4	4.4		221.8		
-7	2018	H30	1.146	1.149	129.4	129.4					272.1	272.1	4.4	4.4		276.5		
-6	2019	R01	1.120	1.126	276.7	276.7					165.2	165.2	4.4	4.4		169.6		
-5	2020	R02	1.119	1.104	281.2	281.2					31.6	31.6	5.2	5.2		36.8		
-4	2021	R03	1.079	1.082	297.7	297.7					128.5	128.5	5.4	5.4		133.9		
-3	2022	R04	1.030	1.061	297.7	297.7					194.0	194.0	5.4	5.4		199.4		
-2	2023	R05	1.000	1.040	297.7	297.7					174.7	174.7	6.7	6.7		181.4		
-1	2024	R06	1.000	1.020	297.7	297.7					179.2	179.2	6.7	6.7		185.9		
	2025	R07	1.000	1.000	297.7	297.7					129.3	129.3	6.7	6.7		136.0		
1	2026	R08	1.000	0.980	297.7	297.7					232.9	232.9	228.4	6.7	6.7	239.6	232.9	228.4
2	2027	R09	1.000	0.961	297.7	297.7					327.1	327.1	314.4	6.7	6.7	333.8	327.1	314.4
3	2028	R10	1.000	0.942	297.7	297.7					421.3	421.3	116.0	6.7	6.7	428.0	421.3	116.0
4	2029	R11	1.000	0.924	297.7	297.7					515.2	515.2	123.7	6.7	6.7	521.9	515.2	123.7
5	2030	R12	1.000	0.906	297.7	297.7					609.1	609.1	131.4	6.7	6.7	615.8	609.1	131.4
6	2031	R13	1.000	0.888	297.7	297.7					703.0	703.0	139.1	6.7	6.7	709.7	703.0	139.1
7	2032	R14	1.000	0.871	336.5	297.7	38.8	33.8			796.9	796.9	146.8	6.7	6.7	803.6	796.9	146.8
8	2033	R15	1.000	0.853	336.5	297.7	38.8	33.1			890.8	890.8	154.5	6.7	6.7	897.5	890.8	154.5
9	2034	R16	1.000	0.837	336.5	297.7	38.8	32.5			984.7	984.7	162.2	6.7	6.7	991.4	984.7	162.2
10	2035	R17	1.000	0.820	403.5	297.7	105.8	86.8			1078.6	1078.6	170.0	6.7	6.7	1085.3	1078.6	170.0
11	2036	R18	1.000	0.804	403.5	297.7	105.8	85.1			1172.5	1172.5	177.7	6.7	6.7	1179.2	1172.5	177.7
12	2037	R19	1.000	0.788	403.5	297.7	105.8	83.4			1266.4	1266.4	185.4	6.7	6.7	1273.1	1266.4	185.4
13	2038	R20	1.000	0.773	403.5	297.7	105.8	81.8			1360.3	1360.3	193.1	6.7	6.7	1367.0	1360.3	193.1
14	2039	R21	1.000	0.758	403.5	297.7	105.8	80.2			1454.2	1454.2	200.8	6.7	6.7	1460.9	1454.2	200.8
15	2040	R22	1.000	0.743	403.5	297.7	105.8	78.6			1548.1	1548.1	208.5	6.7	6.7	1554.8	1548.1	208.5
16	2041	R23	1.000	0.728	403.5	297.7	105.8	77.1			1642.0	1642.0	216.2	6.7	6.7	1648.9	1642.0	216.2
17	2042	R24	1.000	0.714	403.5	297.7	105.8	75.6			1735.9	1735.9	223.9	6.7	6.7	1741.8	1735.9	223.9
18	2043	R25	1.000	0.700	403.5	297.7	105.8	74.1			1829.8	1829.8	231.6	6.7	6.7	1836.7	1829.8	231.6
19	2044	R26	1.000	0.686	403.5	297.7	105.8	72.6			1923.7	1923.7	239.3	6.7	6.7	1930.6	1923.7	239.3
20	2045	R27	1.000	0.673	403.5	297.7	105.8	71.2			2017.6	2017.6	247.0	6.7	6.7	2024.5	2017.6	247.0
21	2046	R28	1.000	0.660	403.5	297.7	105.8	69.8			2111.5	2111.5	254.7	6.7	6.7	2118.4	2111.5	254.7
22	2047	R29	1.000	0.647	403.5	297.7	105.8	68.5			2205.4	2205.4	262.4	6.7	6.7	2212.3	2205.4	262.4
23	2048	R30	1.000	0.634	403.5	297.7	105.8	67.1			2299.3	2299.3	270.1	6.7	6.7	2306.2	2299.3	270.1
24	2049	R31	1.000	0.622	403.5	297.7	105.8	65.8			2393.2	2393.2	277.8	6.7	6.7	2399.1	2393.2	277.8
25	2050	R32	1.000	0.610	403.5	297.7	105.8	64.5			2487.1	2487.1	285.5	6.7	6.7	2494.0	2487.1	285.5
26	2051	R33	1.000	0.598	403.5	297.7	105.8	63.2			2581.0	2581.0	293.2	6.7	6.7	2588.9	2581.0	293.2
27	2052	R34	1.000	0.586	403.5	297.7	105.8	62.0			2674.9	2674.9	300.9	6.7	6.7	2681.8	2674.9	300.9
28	2053	R35	1.000	0.574	403.5	297.7	105.8	60.8			2768.8	2768.8	308.6	6.7	6.7	2778.7	2768.8	308.6
29	2054	R36	1.000	0.563	403.5	297.7	105.8	59.6			2862.7	2862.7	316.3	6.7	6.7	2875.6	2862.7	316.3
30	2055	R37	1.000	0.552	403.5	297.7	105.8	58.4			2956.6	2956.6	324.0	6.7	6.7	2972.5	2956.6	324.0
31	2056	R38	1.000	0.541	403.5	297.7	105.8	57.3	87.0	87.0	3050.5	3050.5	331.7	6.7	6.7	3057.4	3050.5	331.7
32	2057	R39	1.000	0.531	332.6	226.7	105.8	56.2			3144.4	3144.4	339.4	6.7	6.7	3151.3	3144.4	339.4
33	2058	R40	1.000	0.520	332.6	217.8	105.8	55.1			3238.3	3238.3	347.1	6.7	6.7	3245.2	3238.3	347.1
34	2059	R41	1.000	0.510	316.7	210.9	105.8	54.0			3332.2	3332.2	354.8	6.7	6.7	3339.1	3332.2	354.8
35	2060	R42	1.000	0.500	316.7	210.9	105.8	52.9			3426.1	3426.1	362.5	6.7	6.7	3433.0	3426.1	362.5
36	2061	R43	1.000	0.490	316.7	210.9	105.8	51.9			3520.0	3520.0	370.2	6.7	6.7	3526.9	3520.0	370.2
37	2062	R44	1.000	0.481	316.7	210.9	105.8	50.9			3613.9	3613.9	377.9	6.7	6.7	3623.8	3613.9	377.9
38	2063	R45	1.000	0.471	316.7	210.9	105.8	49.9			3707.8	3707.8	385.6	6.7	6.7	3720.7	3707.8	385.6
39	2064	R46	1.000	0.462	316.7	210.9	105.8	48.9			3801.7	3801.7	393.3	6.7	6.7	3817.6	3801.7	393.3
40	2065	R47	1.000	0.453	313.1	207.3	105.8	47.9	1.8	1.8	3895.6	3895.6	401.0	6.7	6.7	3902.5	3895.6	401.0
41	2066	R48	1.000	0.444	308.2	202.4	105.8	47.0			3989.5	3989.5	408.7	6.7	6.7	3997.4	3989.5	408.7
42	2067	R49	1.000	0.435	308.2	202.4	105.8	46.1			4083.4	4083.4	416.4	6.7	6.7	4093.3	4083.4	416.4
43	2068	R50	1.000	0.427	274.1	168.2	105.8	45.2	361.9	361.9	4177.3	4177.3	424.1	6.7	6.7	4183.2	4177.3	424.1
44	2069	R51	1.000	0.418	126.8	21.0	105.8	44.3			4271.2	4271.2	431.8	6.7	6.7	4279.1	4271.2	431.8
45	2070	R52	1.000	0.410	122.3	16.5	105.8	43.4			4365.1	4365.1	439.5	6.7	6.7	4377.0	4365.1	439.5
46	2071	R53	1.000	0.402	105.8	105.8	42.6				4459.0	4459.0	447.2	6.7	6.7	4474.9	4459.0	447.2
47	2072	R54	1.000	0.394	105.8	105.8	41.7				4552.9	4552.9	454.9	6.7	6.7	4570.8	4552.9	454.9
48	2073	R55	1.000	0.387	105.8	105.8	40.9				4646.8	4646.8	462.6	6.7	6.7	4666.7	4646.8	462.6
49	2074	R56	1.000	0.379	105.8	105.8	40.1				4740.7	4740.7	470.3	6.7	6.7	4762.6	4740.7	470.3
50	2075	R57	1.000	0.372	105.8	105.8	39.3				4834.6	4834.6	478.0	6.7	6.7	4858.5	4834.6	478.0
51	2076	R58	1.000	0.364	105.8	105.8	38.5				4928.5	4928.5	485.7	6.7	6.7	4954.4	4928.5	485.7
52	2077	R59	1.000	0.357	105.8	105.8												

【費用便益算定シート】

・円山川総合水系環境整備事業（残事業）

・参考比較：社会的割引率 1%

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	R5以降 1%

【単位：百万円】

年度	デルタ		割引率	便益①			便益・B			計①+②	建設費③			費用・C			計③+④							
	西暦	和暦		換算係数	便益	便益の差	現在価値	実質価格	中止		残存価値②	費用	費用の差	現在価値	費用	費用の差	現在価値	費用	実質価格	現在価値				
-22	2003	H15	1.365	1.245																				
-21	2004	H16	1.360	1.232																				
-20	2005	H17	1.353	1.220																				
-19	2006	H18	1.348	1.208																				
-18	2007	H19	1.317	1.196	70.9	70.9																		
-17	2008	H20	1.279	1.184	79.9	79.9																		
-16	2009	H21	1.320	1.173	86.8	86.8																		
-15	2010	H22	1.319	1.161	86.8	86.8																		
-14	2011	H23	1.287	1.149	86.8	86.8																		
-13	2012	H24	1.291	1.138	86.8	86.8																		
-12	2013	H25	1.264	1.127	86.8	86.8																		
-11	2014	H26	1.224	1.116	86.8	86.8																		
-10	2015	H27	1.220	1.105	90.4	90.4																		
-9	2016	H28	1.213	1.094	95.3	95.3																		
-8	2017	H29	1.186	1.083	95.3	95.3																		
-7	2018	H30	1.146	1.072	129.4	129.4																		
-6	2019	R01	1.120	1.062	276.7	276.7																		
-5	2020	R02	1.119	1.051	281.2	281.2																		
-4	2021	R03	1.079	1.041	297.7	297.7																		
-3	2022	R04	1.030	1.030	297.7	297.7																		
-2	2023	R05	1.000	1.020	297.7	297.7																		
-1	2024	R06	1.000	1.010	297.7	297.7																		
	2025	R07	1.000	1.000	297.7	297.7																		
1	2026	R08	1.000	0.990	297.7	297.7																		
2	2027	R09	1.000	0.980	297.7	297.7																		
3	2028	R10	1.000	0.971	297.7	297.7																		
4	2029	R11	1.000	0.961	297.7	297.7																		
5	2030	R12	1.000	0.951	297.7	297.7																		
6	2031	R13	1.000	0.942	297.7	297.7																		
7	2032	R14	1.000	0.933	336.5	297.7	38.8	36.2																
8	2033	R15	1.000	0.923	336.5	297.7	38.8	35.8																
9	2034	R16	1.000	0.914	336.5	297.7	38.8	35.5																
10	2035	R17	1.000	0.905	403.5	297.7	105.8	95.8																
11	2036	R18	1.000	0.896	403.5	297.7	105.8	94.9																
12	2037	R19	1.000	0.887	403.5	297.7	105.8	93.9																
13	2038	R20	1.000	0.879	403.5	297.7	105.8	93.0																
14	2039	R21	1.000	0.870	403.5	297.7	105.8	92.1																
15	2040	R22	1.000	0.861	403.5	297.7	105.8	91.2																
16	2041	R23	1.000	0.853	403.5	297.7	105.8	90.2																
17	2042	R24	1.000	0.844	403.5	297.7	105.8	89.4																
18	2043	R25	1.000	0.836	403.5	297.7	105.8	88.5																
19	2044	R26	1.000	0.828	403.5	297.7	105.8	87.6																
20	2045	R27	1.000	0.820	403.5	297.7	105.8	86.7																
21	2046	R28	1.000	0.811	403.5	297.7	105.8	85.9																
22	2047	R29	1.000	0.803	403.5	297.7	105.8	85.0																
23	2048	R30	1.000	0.795	403.5	297.7	105.8	84.2																
24	2049	R31	1.000	0.788	403.5	297.7	105.8	83.3																
25	2050	R32	1.000	0.780	403.5	297.7	105.8	82.5																
26	2051	R33	1.000	0.772	403.5	297.7	105.8	81.7																
27	2052	R34	1.000	0.764	403.5	297.7	105.8	80.9																
28	2053	R35	1.000	0.757	403.5	297.7	105.8	80.1																
29	2054	R36	1.000	0.749	403.5	297.7	105.8	79.3																
30	2055	R37	1.000	0.742	403.5	297.7	105.8	78.5																
31	2056	R38	1.000	0.735	403.5	297.7	105.8	77.7	87.0	87.0														
32	2057	R39	1.000	0.727	332.6	226.7	105.8	77.0																
33	2058	R40	1.000	0.720	332.6	217.8	105.8	76.2																
34	2059	R41	1.000	0.713	316.7	210.9	105.8	75.4																
35	2060	R42	1.000	0.706	316.7	210.9	105.8	74.7																
36	2061	R43	1.000	0.699	316.7	210.9	105.8	74.0																
37	2062	R44	1.000	0.692	316.7	210.9	105.8	73.2																
38	2063	R45	1.000	0.685	316.7	210.9	105.8	72.5																
39	2064	R46	1.000	0.678	316.7	210.9	105.8	71.8																
40	2065	R47	1.000	0.672	313.1	207.3	105.8	71.1	1.8	1.8														
41	2066	R48	1.000	0.665	308.2	202.4	105.8	70.4																
42	2067	R49	1.000	0.658	308.2	202.4	105.8	69.7																
43	2068	R50	1.000	0.652	274.1	168.2	105.8	69.0	361.9	361.9														
44	2069	R51	1.000	0.645	126.8	21.0	105.8	68.3																
45	2070	R52	1.000	0.639	122.3	16.5	105.8	67.6																
46	2071	R53	1.000	0.633	105.8		105.8	67.0																
47	2072	R54	1.000	0.626	105.8		105.8	66.3																
48	2073	R55	1.000	0.620	105.8		105.8	65.6																
49	2074	R56	1.000	0.614	105.8		105.8	65.0																
50	2075	R57	1.000	0.608	105.8		105.8	64.3																
51	2076	R58	1.000	0.602	105.8		105.8	63.7																
52	2077	R59	1.000	0.596	105.8		105.8	63.1																
53	2078	R60	1.000	0.590	105.8		105.8	62.5																
54	2079	R61	1.000	0.584	105.8		105.8	61.8																
55	2080	R62	1.000	0.579	105.8		105.8	61.2																
56	2081	R63	1.000	0.573	105.8		105.8	60.6																
57	2082	R64	1.000	0.567	105.8		105.8	60.0																
58	2083	R65	1.000	0.562	67.0		67.0	37.6																
59	2084	R66	1.000	0.556	67.0		67.0	37.3	15.7	15.7	8.7	46.0												
	合計				20,213.8	14,883.8	5,330.0	3,856.8	466.4	450.7	15.7	8.7	3,865.5	5,956.9	4,989.2	967.7	939.5	581.6	451.6	130.0	94.4	6,338.5	1,097.7	1,033.9

総便益	B	3,865.5	百万円
総費用	C	1,033.9	百万円
費用便益比	B/C	3.7	
純現在価値	B-C	2,831.6	百万円
経済的内部収益率		7.2%	

【費用便益算定シート】  
 ・円山川総合水系環境整備事業（全体事業）  
 ・感度分析：残事業費（+10%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

[単位：百万円]

年度	t	西暦	和暦	デフレ率 換算係数	割引率	便益：B				費用：C									
						便益①		残存価値②		計①+②		建設費③		維持管理費④		計③+④			
						便益	実質価格 現在価値	実質価格 現在価値	現在価値	費用	実質価格 現在価値	費用	実質価格 現在価値	費用	実質価格 現在価値				
-22	2003	H15	1.365	2.370						211.4	288.5	683.7					211.4	288.5	683.7
-21	2004	H16	1.360	2.279						517.5	703.9	1,604.0					517.5	703.9	1,604.0
-20	2005	H17	1.353	2.191						60.2	81.5	178.6					60.2	81.5	178.6
-19	2006	H18	1.338	2.107						365.0	488.3	1,028.8					365.0	488.3	1,028.8
-18	2007	H19	1.317	2.026						70.9	93.5	189.4					70.9	93.5	189.4
-17	2008	H20	1.279	1.948						79.9	102.2	199.1					79.9	102.2	199.1
-16	2009	H21	1.320	1.873						86.8	114.6	214.6					86.8	114.6	214.6
-15	2010	H22	1.319	1.801						86.8	114.4	206.0					86.8	114.4	206.0
-14	2011	H23	1.287	1.732						86.8	111.7	193.4					86.8	111.7	193.4
-13	2012	H24	1.291	1.665						86.8	112.0	186.5					86.8	112.0	186.5
-12	2013	H25	1.264	1.601						86.8	109.7	175.6					86.8	109.7	175.6
-11	2014	H26	1.224	1.539						86.8	106.2	163.5					86.8	106.2	163.5
-10	2015	H27	1.220	1.480						90.4	110.2	163.1					90.4	110.2	163.1
-9	2016	H28	1.213	1.423						95.3	115.5	164.4					95.3	115.5	164.4
-8	2017	H29	1.186	1.369						95.3	112.9	154.5					95.3	112.9	154.5
-7	2018	H30	1.146	1.316						129.4	148.3	195.2					129.4	148.3	195.2
-6	2019	R01	1.120	1.265						276.7	310.0	392.2					276.7	310.0	392.2
-5	2020	R02	1.119	1.217						281.2	314.7	382.9					281.2	314.7	382.9
-4	2021	R03	1.079	1.170						297.7	321.1	375.6					297.7	321.1	375.6
-3	2022	R04	1.030	1.125						297.7	306.5	344.8					297.7	306.5	344.8
-2	2023	R05	1.000	1.082						297.7	297.7	322.0					297.7	297.7	322.0
-1	2024	R06	1.000	1.040						297.7	297.7	309.6					297.7	297.7	309.6
	2025	R07	1.000	1.000						297.7	297.7	297.7					297.7	297.7	297.7
1	2026	R08	1.000	0.962						297.7	297.7	286.3					297.7	297.7	286.3
2	2027	R09	1.000	0.925						297.7	297.7	275.2					297.7	297.7	275.2
3	2028	R10	1.000	0.889						297.7	297.7	264.7					297.7	297.7	264.7
4	2029	R11	1.000	0.855						297.7	297.7	254.5					297.7	297.7	254.5
5	2030	R12	1.000	0.822						297.7	297.7	244.7					297.7	297.7	244.7
6	2031	R13	1.000	0.790						297.7	297.7	235.3					297.7	297.7	235.3
7	2032	R14	1.000	0.760						336.5	336.5	255.7					336.5	336.5	255.7
8	2033	R15	1.000	0.731						336.5	336.5	245.9					336.5	336.5	245.9
9	2034	R16	1.000	0.703						336.5	336.5	236.4					336.5	336.5	236.4
10	2035	R17	1.000	0.676						403.5	403.5	272.6					403.5	403.5	272.6
11	2036	R18	1.000	0.650						403.5	403.5	262.1					403.5	403.5	262.1
12	2037	R19	1.000	0.625						403.5	403.5	252.0					403.5	403.5	252.0
13	2038	R20	1.000	0.601						403.5	403.5	242.3					403.5	403.5	242.3
14	2039	R21	1.000	0.577						403.5	403.5	233.0					403.5	403.5	233.0
15	2040	R22	1.000	0.555						403.5	403.5	224.0					403.5	403.5	224.0
16	2041	R23	1.000	0.534						403.5	403.5	215.4					403.5	403.5	215.4
17	2042	R24	1.000	0.513						403.5	403.5	207.1					403.5	403.5	207.1
18	2043	R25	1.000	0.494						403.5	403.5	199.2					403.5	403.5	199.2
19	2044	R26	1.000	0.475						403.5	403.5	191.5					403.5	403.5	191.5
20	2045	R27	1.000	0.456						403.5	403.5	184.2					403.5	403.5	184.2
21	2046	R28	1.000	0.439						403.5	403.5	177.1					403.5	403.5	177.1
22	2047	R29	1.000	0.422						403.5	403.5	170.3					403.5	403.5	170.3
23	2048	R30	1.000	0.406						403.5	403.5	163.7					403.5	403.5	163.7
24	2049	R31	1.000	0.390						403.5	403.5	157.4					403.5	403.5	157.4
25	2050	R32	1.000	0.375						403.5	403.5	151.4					403.5	403.5	151.4
26	2051	R33	1.000	0.361						403.5	403.5	145.5					403.5	403.5	145.5
27	2052	R34	1.000	0.347						403.5	403.5	139.9					403.5	403.5	139.9
28	2053	R35	1.000	0.333						403.5	403.5	134.6					403.5	403.5	134.6
29	2054	R36	1.000	0.321						403.5	403.5	129.4					403.5	403.5	129.4
30	2055	R37	1.000	0.308						403.5	403.5	124.4					403.5	403.5	124.4
31	2056	R38	1.000	0.296						403.5	403.5	119.6					403.5	403.5	119.6
32	2057	R39	1.000	0.285						332.6	332.6	94.8					332.6	332.6	94.8
33	2058	R40	1.000	0.274						323.6	323.6	88.7					323.6	323.6	88.7
34	2059	R41	1.000	0.264						316.7	316.7	83.5					316.7	316.7	83.5
35	2060	R42	1.000	0.253						316.7	316.7	80.3					316.7	316.7	80.3
36	2061	R43	1.000	0.244						316.7	316.7	77.2					316.7	316.7	77.2
37	2062	R44	1.000	0.234						316.7	316.7	74.2					316.7	316.7	74.2
38	2063	R45	1.000	0.225						316.7	316.7	71.3					316.7	316.7	71.3
39	2064	R46	1.000	0.217						316.7	316.7	68.6					316.7	316.7	68.6
40	2065	R47	1.000	0.208						313.1	313.1	65.2					313.1	313.1	65.2
41	2066	R48	1.000	0.200						308.2	308.2	61.7					308.2	308.2	61.7
42	2067	R49	1.000	0.193						308.2	308.2	59.4					308.2	308.2	59.4
43	2068	R50	1.000	0.185						274.1	274.1	50.8					274.1	274.1	50.8
44	2069	R51	1.000	0.178						126.8	126.8	22.6					126.8	126.8	22.6
45	2070	R52	1.000	0.171						122.3	122.3	20.9					122.3	122.3	20.9
46	2071	R53	1.000	0.165						105.8	105.8	17.4					105.8	105.8	17.4
47	2072	R54	1.000	0.158						105.8	105.8	16.7					105.8	105.8	16.7
48	2073	R55	1.000	0.152						105.8	105.8	16.1					105.8	105.8	16.1
49	2074	R56	1.000	0.146															

【費用便益算定シート】  
 ・円山川総合水系環境整備事業（全体事業）  
 ・感度分析：残事業費（-10%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

[単位：百万円]

年度	t	西暦	和暦	デフレ率 換算係数	割引率	便益：B				費用：C									
						便益①		残存価値②		計①+②		建設費③		維持管理費④		計③+④			
						便益	実質価格 現在価値	実質価格 現在価値	現在価値	費用	実質価格 現在価値	費用	実質価格 現在価値	費用	実質価格 現在価値				
-22	2003	H15	1.365	2.370						211.4	288.5	683.7			211.4	288.5	683.7		
-21	2004	H16	1.360	2.279						517.5	703.9	1,604.0			517.5	703.9	1,604.0		
-20	2005	H17	1.353	2.191						60.2	81.5	178.6			60.2	81.5	178.6		
-19	2006	H18	1.338	2.107						365.0	488.3	1,028.8			365.0	488.3	1,028.8		
-18	2007	H19	1.317	2.026			70.9	93.5	189.4	189.4	91.4	120.5	244.1	1.7	2.2	4.5	93.1	122.7	248.6
-17	2008	H20	1.279	1.948			79.9	102.2	199.1	199.1	210.8	269.5	525.0	1.7	2.2	4.3	212.5	271.7	529.3
-16	2009	H21	1.320	1.873			86.8	114.6	214.6	214.6	305.2	403.0	754.8	1.8	2.4	4.5	307.0	405.4	759.3
-15	2010	H22	1.319	1.801			86.8	114.4	206.0	206.0	169.0	223.0	401.6	2.1	2.8	5.0	171.1	225.8	406.6
-14	2011	H23	1.287	1.732			86.8	111.7	193.4	193.4	228.6	294.2	509.5	2.2	2.8	4.8	230.8	297.0	514.3
-13	2012	H24	1.291	1.665			86.8	112.0	186.5	186.5	213.8	276.0	459.6	2.3	3.0	5.0	216.1	279.0	464.6
-12	2013	H25	1.264	1.601			86.8	109.7	175.6	175.6	211.4	267.2	427.8	2.5	3.2	5.1	213.9	270.4	432.9
-11	2014	H26	1.224	1.539			86.8	106.2	163.5	163.5	222.2	271.9	418.6	2.6	3.2	4.9	224.8	275.1	423.5
-10	2015	H27	1.220	1.480			90.4	110.2	163.1	163.1	223.2	272.4	403.2	2.8	3.4	5.0	226.0	275.8	408.2
-9	2016	H28	1.213	1.423			95.3	115.5	164.4	164.4	217.2	266.6	386.4	2.9	3.5	5.0	226.0	275.8	408.2
-8	2017	H29	1.186	1.369			95.3	112.9	154.5	154.5	214.4	257.8	352.8	4.4	5.2	7.1	221.8	263.0	359.9
-7	2018	H30	1.146	1.316			129.4	148.3	195.2	195.2	272.1	311.7	410.2	4.4	5.0	6.6	276.5	316.7	416.8
-6	2019	R01	1.120	1.265			276.7	310.0	392.2	392.2	165.2	185.1	234.2	4.4	4.9	6.2	169.6	190.0	240.4
-5	2020	R02	1.119	1.217			281.2	314.7	382.9	382.9	31.6	35.3	42.9	5.2	5.8	7.1	36.8	41.1	50.0
-4	2021	R03	1.079	1.170			297.7	321.1	375.6	375.6	128.5	138.6	162.1	5.4	5.8	6.8	133.9	144.4	168.9
-3	2022	R04	1.030	1.125			297.7	306.5	344.8	344.8	194.0	199.8	224.7	5.4	5.6	6.3	199.4	205.4	231.0
-2	2023	R05	1.000	1.082			297.7	297.7	322.0	322.0	174.7	174.7	189.0	6.7	6.7	7.2	181.4	181.4	196.2
-1	2024	R06	1.000	1.040			297.7	297.7	309.6	309.6	179.2	179.2	186.4	6.7	6.7	7.0	185.9	185.9	193.4
0	2025	R07	1.000	1.000			297.7	297.7	297.7	297.7	129.3	129.3	129.3	6.7	6.7	6.7	136.0	136.0	136.0
1	2026	R08	1.000	0.962			297.7	297.7	286.3	286.3	209.6	209.6	201.5	6.7	6.7	6.4	216.3	216.3	207.9
2	2027	R09	1.000	0.925			297.7	297.7	275.2	275.2	294.5	294.5	272.3	6.7	6.7	6.2	301.2	301.2	278.5
3	2028	R10	1.000	0.889			297.7	297.7	264.7	264.7	110.9	110.9	98.6	6.7	6.7	6.0	117.6	117.6	104.6
4	2029	R11	1.000	0.855			297.7	297.7	254.5	254.5	120.6	120.6	103.1	6.7	6.7	5.7	127.3	127.3	108.8
5	2030	R12	1.000	0.822			297.7	297.7	244.7	244.7	23.8	23.8	19.6	6.7	6.7	5.0	30.5	30.5	25.1
6	2031	R13	1.000	0.790			297.7	297.7	235.3	235.3	23.8	23.8	18.8	6.7	6.7	5.3	30.5	30.5	24.1
7	2032	R14	1.000	0.760			336.5	336.5	255.7	255.7	22.5	22.5	17.1	8.0	8.0	6.1	30.5	30.5	23.2
8	2033	R15	1.000	0.731			336.5	336.5	245.9	245.9	22.5	22.5	16.4	8.0	8.0	5.8	30.5	30.5	22.2
9	2034	R16	1.000	0.703			336.5	336.5	236.4	236.4	43.9	43.9	30.8	8.0	8.0	5.6	51.9	51.9	36.4
10	2035	R17	1.000	0.676			403.5	403.5	272.6	272.6				9.3	9.3	6.3	9.3	9.3	6.3
11	2036	R18	1.000	0.650			403.5	403.5	262.1	262.1				9.3	9.3	6.0	9.3	9.3	6.0
12	2037	R19	1.000	0.625			403.5	403.5	252.0	252.0				9.3	9.3	5.8	9.3	9.3	5.8
13	2038	R20	1.000	0.601			403.5	403.5	242.3	242.3				9.3	9.3	5.6	9.3	9.3	5.6
14	2039	R21	1.000	0.577			403.5	403.5	233.0	233.0				9.3	9.3	5.4	9.3	9.3	5.4
15	2040	R22	1.000	0.555			403.5	403.5	224.0	224.0				9.3	9.3	5.2	9.3	9.3	5.2
16	2041	R23	1.000	0.534			403.5	403.5	215.4	215.4				9.3	9.3	5.0	9.3	9.3	5.0
17	2042	R24	1.000	0.513			403.5	403.5	207.1	207.1				9.3	9.3	4.8	9.3	9.3	4.8
18	2043	R25	1.000	0.494			403.5	403.5	199.2	199.2				9.3	9.3	4.6	9.3	9.3	4.6
19	2044	R26	1.000	0.475			403.5	403.5	191.5	191.5				9.3	9.3	4.4	9.3	9.3	4.4
20	2045	R27	1.000	0.456			403.5	403.5	184.2	184.2				9.3	9.3	4.2	9.3	9.3	4.2
21	2046	R28	1.000	0.439			403.5	403.5	177.1	177.1				9.3	9.3	4.1	9.3	9.3	4.1
22	2047	R29	1.000	0.422			403.5	403.5	170.3	170.3				9.3	9.3	3.9	9.3	9.3	3.9
23	2048	R30	1.000	0.406			403.5	403.5	163.7	163.7				9.3	9.3	3.8	9.3	9.3	3.8
24	2049	R31	1.000	0.390			403.5	403.5	157.4	157.4				9.3	9.3	3.6	9.3	9.3	3.6
25	2050	R32	1.000	0.375			403.5	403.5	151.4	151.4				9.3	9.3	3.5	9.3	9.3	3.5
26	2051	R33	1.000	0.361			403.5	403.5	145.5	145.5				9.3	9.3	3.4	9.3	9.3	3.4
27	2052	R34	1.000	0.347			403.5	403.5	139.9	139.9				9.3	9.3	3.2	9.3	9.3	3.2
28	2053	R35	1.000	0.333			403.5	403.5	134.6	134.6				9.3	9.3	3.1	9.3	9.3	3.1
29	2054	R36	1.000	0.321			403.5	403.5	129.4	129.4				9.3	9.3	3.0	9.3	9.3	3.0
30	2055	R37	1.000	0.308			403.5	403.5	124.4	124.4				9.3	9.3	2.9	9.3	9.3	2.9
31	2056	R38	1.000	0.296			403.5	403.5	119.6	119.6	87.0	25.8	145.4	9.3	9.3	2.8	9.3	9.3	2.8
32	2057	R39	1.000	0.285			332.6	332.6	94.8	94.8				9.3	9.3	2.7	9.3	9.3	2.7
33	2058	R40	1.000	0.274			323.6	323.6	88.7	88.7				9.3	9.3	2.5	9.3	9.3	2.5
34	2059	R41	1.000	0.264			316.7	316.7	83.5	83.5				9.3	9.3	2.5	9.3	9.3	2.5
35	2060	R42	1.000	0.253			316.7	316.7	80.3	80.3				9.3	9.3	2.4	9.3	9.3	2.4
36	2061	R43	1.000	0.244			316.7	316.7	77.2	77.2				9.3	9.3	2.3	9.3	9.3	2.3
37	2062	R44	1.000	0.234			316.7	316.7	74.2	74.2				9.3	9.3	2.2	9.3	9.3	2.2
38	2063	R45	1.000	0.225			316.7	316.7	71.3	71.3				9.3	9.3	2.1	9.3	9.3	2.1
39	2064	R46	1.000	0.217			316.7	316.7	68.6	68.6				9.3	9.3	2.0	9.3	9.3	2.0
40	2065	R47	1.000	0.208			313.1	313.1	65.2	65.2	1.8	0.4	65.6	9.3	9.3	1.9	9.3	9.3	1.9
41	2066	R48	1.000	0.200			308.2	308.2	61.7	61.7				9.3	9.3	1.9	9.3	9.3	1.9
42	2067	R49	1.000	0.193			308.2	308.2	59.4	59.4				9.3	9.3	1.8	9.3	9.3	1.8
43	2068	R50	1.000	0.185			274.1	274.1	50.8	50.8	361.9	67.0	117.8	9.3	9.3	1.7	9.3	9.3	1.7
44	2069	R51	1.000	0.178			126.8	126.8	22.6	22.6				9.3	9.3	1.7	9.3	9.3	1.7
45	2070	R52	1.000	0.171			122.3	122.3	20.9	20.9				9.3	9.3	1.6	9.3	9.3	1.6
46	2071	R53	1.000	0.165			105.8	105.8	17.4	17.4				9.3	9.3	1.5	9.3	9.3	1.5
47	2072	R54	1.000	0.158			105.8	105.8	16.7	16.7				9.3	9.3	1.5	9.3	9.3	1.5
48	2073	R55	1.000	0.152			105.8	105.8	16.1	16.1				8.0	8.0	1.2	8.0	8.0	1.2
49	2074	R56	1.000	0.146			105.8	105.8	15.5	15.5				8.0	8.0	1.2	8.0	8.0	1.2
50	2075																		

【費用便益算定シート】

- ・円山川総合水系環境整備事業（全体事業）
- ・感度分析：残工期（+10%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

【単位：百万円】

年度	t	西暦	和暦	割引率	千円への換算係数	便益：B			費用：C			計③+④					
						便益①		残存価値②	建設費③		維持管理費④		計③+④				
						便益	実買価格	現在価値	費用	実買価格	現在価値	費用	実買価格	現在価値	費用	実買価格	現在価値
-22	2003	H15	1.365	2.370				211.4	288.5	683.7			211.4	288.5	683.7		
-21	2004	H16	1.360	2.279				517.5	703.9	1,604.0			517.5	703.9	1,604.0		
-20	2005	H17	1.353	2.191				60.2	81.5	178.6			60.2	81.5	178.6		
-19	2006	H18	1.338	2.107				365.0	488.3	1,028.8			365.0	488.3	1,028.8		
-18	2007	H19	1.317	2.026	70.9	93.5	189.4	189.4	91.4	120.5	244.1	1.7	2.2	4.5	93.1	122.7	248.6
-17	2008	H20	1.279	1.948	79.9	102.2	199.1	199.1	210.8	269.5	525.0	1.7	2.2	4.3	212.5	271.7	529.3
-16	2009	H21	1.320	1.873	86.8	114.6	214.6	214.6	305.2	403.0	754.8	1.8	2.4	4.5	307.0	405.4	759.3
-15	2010	H22	1.319	1.801	86.8	114.4	206.0	206.0	369.2	488.3	1,028.8	2.1	2.8	5.0	217.1	225.8	466.6
-14	2011	H23	1.287	1.732	86.8	111.7	193.4	193.4	228.6	294.2	509.5	2.2	2.8	4.8	230.8	297.0	514.3
-13	2012	H24	1.291	1.665	86.8	112.0	186.5	186.5	213.8	276.0	459.6	2.3	3.0	5.0	216.1	279.0	464.6
-12	2013	H25	1.264	1.601	86.8	109.7	175.6	175.6	211.4	267.2	427.8	2.5	3.2	5.1	213.9	270.4	432.9
-11	2014	H26	1.224	1.539	86.8	106.2	163.5	163.5	222.2	271.9	418.6	2.6	3.2	4.9	224.8	275.1	423.5
-10	2015	H27	1.220	1.480	90.4	110.2	163.1	163.1	223.2	272.4	403.2	2.8	3.4	5.0	226.0	275.8	408.2
-9	2016	H28	1.213	1.423	95.3	115.5	164.4	164.4	227.2	276.6	406.4	2.9	3.5	5.0	227.0	270.1	411.4
-8	2017	H29	1.186	1.369	95.3	112.9	154.5	154.5	217.4	257.8	352.8	4.4	5.2	7.1	221.8	263.0	359.9
-7	2018	H30	1.146	1.316	129.4	148.3	195.2	195.2	272.1	311.7	410.2	4.4	5.0	6.6	276.5	316.7	416.8
-6	2019	R01	1.120	1.265	276.7	310.0	392.2	392.2	165.2	185.1	234.2	4.4	4.9	6.2	169.6	190.0	240.4
-5	2020	R02	1.119	1.217	281.2	314.7	382.9	382.9	31.6	35.3	42.9	5.2	5.8	7.1	36.8	41.1	50.0
-4	2021	R03	1.079	1.170	297.7	321.1	375.6	375.6	128.5	138.6	162.1	5.4	5.8	6.8	133.9	144.4	168.9
-3	2022	R04	1.030	1.125	297.7	306.5	344.8	344.8	194.0	199.8	224.7	5.4	5.6	6.3	199.4	205.4	231.0
-2	2023	R05	1.000	1.082	297.7	297.7	322.0	322.0	174.7	174.7	189.0	6.7	6.7	7.2	181.4	181.4	196.2
-1	2024	R06	1.000	1.040	297.7	297.7	309.6	309.6	179.2	179.2	186.4	6.7	6.7	7.0	185.9	185.9	193.4
	2025	R07	1.000	1.000	297.7	297.7	297.7	297.7	129.3	129.3	129.3	6.7	6.7	6.7	136.0	136.0	136.0
1	2026	R08	1.000	0.962	297.7	297.7	286.3	286.3	209.6	209.6	201.5	6.7	6.7	6.4	216.3	216.3	207.9
2	2027	R09	1.000	0.925	297.7	297.7	275.2	275.2	284.9	284.9	263.4	6.7	6.7	6.2	291.6	291.6	269.6
3	2028	R10	1.000	0.889	297.7	297.7	264.7	264.7	151.6	151.6	134.8	6.7	6.7	6.0	158.3	158.3	140.8
4	2029	R11	1.000	0.855	297.7	297.7	254.5	254.5	117.2	117.2	100.2	6.7	6.7	5.7	123.9	123.9	105.9
5	2030	R12	1.000	0.822	297.7	297.7	244.7	244.7	66.6	66.6	54.7	6.7	6.7	5.5	73.3	73.3	60.2
6	2031	R13	1.000	0.790	297.7	297.7	235.3	235.3	23.6	23.6	18.7	6.7	6.7	5.3	30.3	30.3	24.0
7	2032	R14	1.000	0.760	297.7	297.7	226.2	226.2	23.2	23.2	17.6	8.0	8.0	6.1	31.2	31.2	23.7
8	2033	R15	1.000	0.731	336.5	336.5	245.9	245.9	22.4	22.4	16.4	8.0	8.0	5.8	30.4	30.4	22.2
9	2034	R16	1.000	0.703	336.5	336.5	236.4	236.4	24.8	24.8	17.4	8.0	8.0	5.6	32.8	32.8	23.0
10	2035	R17	1.000	0.676	336.5	336.5	227.3	227.3	43.7	43.7	29.5	8.0	8.0	5.4	51.7	51.7	34.9
11	2036	R18	1.000	0.650	403.5	403.5	262.1	262.1				9.3	9.3	6.0	9.3	9.3	6.0
12	2037	R19	1.000	0.625	403.5	403.5	252.0	252.0				9.3	9.3	5.8	9.3	9.3	5.8
13	2038	R20	1.000	0.601	403.5	403.5	242.3	242.3				9.3	9.3	5.6	9.3	9.3	5.6
14	2039	R21	1.000	0.577	403.5	403.5	233.0	233.0				9.3	9.3	5.4	9.3	9.3	5.4
15	2040	R22	1.000	0.555	403.5	403.5	224.0	224.0				9.3	9.3	5.2	9.3	9.3	5.2
16	2041	R23	1.000	0.534	403.5	403.5	215.4	215.4				9.3	9.3	5.0	9.3	9.3	5.0
17	2042	R24	1.000	0.513	403.5	403.5	207.1	207.1				9.3	9.3	4.8	9.3	9.3	4.8
18	2043	R25	1.000	0.494	403.5	403.5	199.2	199.2				9.3	9.3	4.6	9.3	9.3	4.6
19	2044	R26	1.000	0.475	403.5	403.5	191.5	191.5				9.3	9.3	4.4	9.3	9.3	4.4
20	2045	R27	1.000	0.456	403.5	403.5	184.2	184.2				9.3	9.3	4.2	9.3	9.3	4.2
21	2046	R28	1.000	0.439	403.5	403.5	177.1	177.1				9.3	9.3	4.1	9.3	9.3	4.1
22	2047	R29	1.000	0.422	403.5	403.5	170.3	170.3				9.3	9.3	3.9	9.3	9.3	3.9
23	2048	R30	1.000	0.406	403.5	403.5	163.7	163.7				9.3	9.3	3.8	9.3	9.3	3.8
24	2049	R31	1.000	0.390	403.5	403.5	157.4	157.4				9.3	9.3	3.6	9.3	9.3	3.6
25	2050	R32	1.000	0.375	403.5	403.5	151.4	151.4				9.3	9.3	3.5	9.3	9.3	3.5
26	2051	R33	1.000	0.361	403.5	403.5	145.5	145.5				9.3	9.3	3.4	9.3	9.3	3.4
27	2052	R34	1.000	0.347	403.5	403.5	139.9	139.9				9.3	9.3	3.2	9.3	9.3	3.2
28	2053	R35	1.000	0.333	403.5	403.5	134.6	134.6				9.3	9.3	3.1	9.3	9.3	3.1
29	2054	R36	1.000	0.321	403.5	403.5	129.4	129.4				9.3	9.3	3.0	9.3	9.3	3.0
30	2055	R37	1.000	0.308	403.5	403.5	124.4	124.4				9.3	9.3	2.9	9.3	9.3	2.9
31	2056	R38	1.000	0.296	403.5	403.5	119.6	119.6	87.0	25.8	145.4	9.3	9.3	2.8	9.3	9.3	2.8
32	2057	R39	1.000	0.285	332.6	332.6	94.8	94.8				9.3	9.3	2.7	9.3	9.3	2.7
33	2058	R40	1.000	0.274	323.6	323.6	88.7	88.7				9.3	9.3	2.5	9.3	9.3	2.5
34	2059	R41	1.000	0.264	316.7	316.7	83.5	83.5				9.3	9.3	2.5	9.3	9.3	2.5
35	2060	R42	1.000	0.253	316.7	316.7	80.3	80.3				9.3	9.3	2.4	9.3	9.3	2.4
36	2061	R43	1.000	0.244	316.7	316.7	77.2	77.2				9.3	9.3	2.3	9.3	9.3	2.3
37	2062	R44	1.000	0.234	316.7	316.7	74.2	74.2				9.3	9.3	2.2	9.3	9.3	2.2
38	2063	R45	1.000	0.225	316.7	316.7	71.3	71.3				9.3	9.3	2.1	9.3	9.3	2.1
39	2064	R46	1.000	0.217	316.7	316.7	68.6	68.6				9.3	9.3	2.0	9.3	9.3	2.0
40	2065	R47	1.000	0.208	313.1	313.1	65.2	65.2	1.8	0.4	65.6	9.3	9.3	1.9	9.3	9.3	1.9
41	2066	R48	1.000	0.200	308.2	308.2	61.7	61.7				9.3	9.3	1.9	9.3	9.3	1.9
42	2067	R49	1.000	0.193	308.2	308.2	59.4	59.4				9.3	9.3	1.8	9.3	9.3	1.8
43	2068	R50	1.000	0.185	274.1	274.1	50.8	50.8	361.9	67.0	117.8	9.3	9.3	1.7	9.3	9.3	1.7
44	2069	R51	1.000	0.178	126.8	126.8	22.6	22.6				9.3	9.3	1.7	9.3	9.3	1.7
45	2070	R52	1.000	0.171	122.3	122.3	20.9	20.9				9.3	9.3	1.6	9.3	9.3	1.6
46	2071	R53	1.000	0.165	105.8	105.8	17.4	17.4				9.3	9.3	1.5	9.3	9.3	1.5
47	2072	R54	1.000	0.158	105.8	105.8	16.7	16.7				9.3	9.3	1.5	9.3	9.3	1.5
48	2073	R55	1.000	0.152	105.8	105.8	16.1	16.1				8.0	8.0	1.2	8.0	8.0	1.2
49	2074	R56	1.000	0.146	105.8	105.8	15.5	15.5				8.0	8.0	1.2	8.0	8.0	1.2
50	2075	R57	1.000	0.141	105.8	105.8	14.9	14.9				8.0	8.0	1.1	8.0	8.0	1.1
51	2076	R58	1.000	0.135	105.8	105.8	14.3	14.3				8.0	8.0	1.1	8.0	8.0	1.1
52	2077	R59	1.000	0.130	105.8	105.8	13.8	13.8				8.0	8.0	1.0	8.0	8.0	1.0
53	2078	R60	1.000	0.125	105.8	105.8	13.2	13.2				8.0	8.				

【費用便益算定シート】  
 ・円山川総合水環境整備事業（全体事業）  
 ・感度分析：残工期（－10%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

【単位：百万円】

年度	t	西暦	和暦	デフレ率 換算係数	割引率	便益：B			費用：C										
						便益①			残存価値②		建設費③		維持管理費④		計③+④				
						便益	実買価格	現在価値	実買価格	現在価値	費用	実買価格	現在価値	費用	実買価格	現在価値			
-22	2003	H15	1.365	2.370						211.4	288.5	683.7				211.4	288.5	683.7	
-21	2004	H16	1.360	2.279						517.5	703.9	1,604.0				517.5	703.9	1,604.0	
-20	2005	H17	1.353	2.191						60.2	81.5	178.6				60.2	81.5	178.6	
-19	2006	H18	1.338	2.107						365.0	488.3	1,028.8				365.0	488.3	1,028.8	
-18	2007	H19	1.317	2.026	70.9	93.5	189.4			189.4	91.4	120.5	244.1	1.7	2.2	4.5	93.1	122.7	248.6
-17	2008	H20	1.279	1.948	79.9	102.2	199.1			199.1	210.8	269.5	525.0	1.7	2.2	4.3	212.5	271.7	529.3
-16	2009	H21	1.320	1.873	86.8	114.6	214.6			214.6	305.2	403.0	754.8	1.8	2.4	4.5	307.0	405.4	759.3
-15	2010	H22	1.319	1.801	86.8	114.4	206.0			206.0	169.0	223.0	401.6	2.1	2.8	5.0	171.1	225.8	406.6
-14	2011	H23	1.287	1.732	86.8	111.7	193.4			193.4	228.6	294.2	509.5	2.2	2.8	4.8	230.8	297.0	514.3
-13	2012	H24	1.291	1.665	86.8	112.0	186.5			186.5	213.8	276.0	459.6	2.3	3.0	5.0	216.1	279.0	464.6
-12	2013	H25	1.264	1.601	86.8	109.7	175.6			175.6	211.4	267.2	427.8	2.5	3.2	5.1	213.9	270.4	432.9
-11	2014	H26	1.224	1.539	86.8	106.2	163.5			163.5	222.2	271.9	418.6	2.6	3.2	4.9	224.8	275.1	423.5
-10	2015	H27	1.220	1.480	90.4	110.2	163.1			163.1	223.2	272.4	403.2	2.8	3.4	5.0	226.0	275.8	408.2
-9	2016	H28	1.213	1.423	95.3	115.5	164.4			164.4	217.2	266.6	386.4	2.9	3.5	5.0	217.1	270.1	386.4
-8	2017	H29	1.186	1.369	95.3	112.9	154.5			154.5	214.4	257.8	352.8	4.4	5.2	7.1	221.8	263.0	359.9
-7	2018	H30	1.146	1.316	129.4	148.3	195.2			195.2	272.1	311.7	410.2	4.4	5.0	6.6	276.5	316.7	416.8
-6	2019	R01	1.120	1.265	276.7	310.0	392.2			392.2	165.2	185.1	234.2	4.4	4.9	6.2	169.6	190.0	240.4
-5	2020	R02	1.119	1.217	281.2	314.7	382.9			382.9	31.6	35.3	42.9	5.2	5.8	7.1	36.8	41.1	50.0
-4	2021	R03	1.079	1.170	297.7	321.1	375.6			375.6	128.5	138.6	162.1	5.4	5.8	6.8	133.9	144.4	168.9
-3	2022	R04	1.030	1.125	297.7	306.5	344.8			344.8	194.0	199.8	224.7	5.4	5.6	6.3	199.4	205.4	231.0
-2	2023	R05	1.000	1.082	297.7	297.7	322.0			322.0	174.7	174.7	189.0	6.7	6.7	7.2	181.4	181.4	196.2
-1	2024	R06	1.000	1.040	297.7	297.7	309.6			309.6	179.2	179.2	186.4	6.7	6.7	7.0	185.9	185.9	193.4
	2025	R07	1.000	1.000	297.7	297.7	297.7			297.7	129.3	129.3	129.3	6.7	6.7	6.7	136.0	136.0	136.0
1	2026	R08	1.000	0.962	297.7	297.7	286.3			286.3	273.8	263.3	6.7	6.7	6.4	280.5	280.5	269.7	
2	2027	R09	1.000	0.925	297.7	297.7	275.2			275.2	316.9	316.9	293.0	6.7	6.7	6.2	323.6	323.6	299.2
3	2028	R10	1.000	0.889	297.7	297.7	264.7			264.7	142.5	142.5	126.7	6.7	6.7	6.0	149.2	149.2	132.7
4	2029	R11	1.000	0.855	297.7	297.7	254.5			254.5	96.8	96.8	82.7	6.7	6.7	5.7	103.5	103.5	88.4
5	2030	R12	1.000	0.822	297.7	297.7	244.7			244.7	29.5	29.5	24.2	6.7	6.7	5.5	36.2	36.2	29.7
6	2031	R13	1.000	0.790	336.5	336.5	265.9			265.9	28.5	28.5	22.5	6.7	6.7	5.3	35.2	35.2	27.8
7	2032	R14	1.000	0.760	336.5	336.5	255.7			255.7	28.0	28.0	21.3	8.0	8.0	6.1	36.0	36.0	27.4
8	2033	R15	1.000	0.731	336.5	336.5	245.9			245.9	51.7	51.7	37.8	8.0	8.0	5.8	59.7	59.7	43.6
9	2034	R16	1.000	0.703	403.5	403.5	283.5			283.5				9.3	9.3	6.5	9.3	9.3	6.5
10	2035	R17	1.000	0.676	403.5	403.5	272.6			272.6				9.3	9.3	6.3	9.3	9.3	6.3
11	2036	R18	1.000	0.650	403.5	403.5	262.1			262.1				9.3	9.3	6.0	9.3	9.3	6.0
12	2037	R19	1.000	0.625	403.5	403.5	252.0			252.0				9.3	9.3	5.8	9.3	9.3	5.8
13	2038	R20	1.000	0.601	403.5	403.5	242.3			242.3				9.3	9.3	5.6	9.3	9.3	5.6
14	2039	R21	1.000	0.577	403.5	403.5	233.0			233.0				9.3	9.3	5.4	9.3	9.3	5.4
15	2040	R22	1.000	0.555	403.5	403.5	224.0			224.0				9.3	9.3	5.2	9.3	9.3	5.2
16	2041	R23	1.000	0.534	403.5	403.5	215.4			215.4				9.3	9.3	5.0	9.3	9.3	5.0
17	2042	R24	1.000	0.513	403.5	403.5	207.1			207.1				9.3	9.3	4.8	9.3	9.3	4.8
18	2043	R25	1.000	0.494	403.5	403.5	199.2			199.2				9.3	9.3	4.6	9.3	9.3	4.6
19	2044	R26	1.000	0.475	403.5	403.5	191.5			191.5				9.3	9.3	4.4	9.3	9.3	4.4
20	2045	R27	1.000	0.456	403.5	403.5	184.2			184.2				9.3	9.3	4.2	9.3	9.3	4.2
21	2046	R28	1.000	0.439	403.5	403.5	177.1			177.1				9.3	9.3	4.1	9.3	9.3	4.1
22	2047	R29	1.000	0.422	403.5	403.5	170.3			170.3				9.3	9.3	3.9	9.3	9.3	3.9
23	2048	R30	1.000	0.406	403.5	403.5	163.7			163.7				9.3	9.3	3.8	9.3	9.3	3.8
24	2049	R31	1.000	0.390	403.5	403.5	157.4			157.4				9.3	9.3	3.6	9.3	9.3	3.6
25	2050	R32	1.000	0.375	403.5	403.5	151.4			151.4				9.3	9.3	3.5	9.3	9.3	3.5
26	2051	R33	1.000	0.361	403.5	403.5	145.5			145.5				9.3	9.3	3.4	9.3	9.3	3.4
27	2052	R34	1.000	0.347	403.5	403.5	139.9			139.9				9.3	9.3	3.2	9.3	9.3	3.2
28	2053	R35	1.000	0.333	403.5	403.5	134.6			134.6				9.3	9.3	3.1	9.3	9.3	3.1
29	2054	R36	1.000	0.321	403.5	403.5	129.4			129.4				9.3	9.3	3.0	9.3	9.3	3.0
30	2055	R37	1.000	0.308	403.5	403.5	124.4			124.4				9.3	9.3	2.9	9.3	9.3	2.9
31	2056	R38	1.000	0.296	403.5	403.5	119.6	87.0	25.8	145.4				9.3	9.3	2.8	9.3	9.3	2.8
32	2057	R39	1.000	0.285	332.6	332.6	94.8			94.8				9.3	9.3	2.7	9.3	9.3	2.7
33	2058	R40	1.000	0.274	323.6	323.6	88.7			88.7				9.3	9.3	2.5	9.3	9.3	2.5
34	2059	R41	1.000	0.264	316.7	316.7	83.5			83.5				9.3	9.3	2.5	9.3	9.3	2.5
35	2060	R42	1.000	0.253	316.7	316.7	80.3			80.3				9.3	9.3	2.4	9.3	9.3	2.4
36	2061	R43	1.000	0.244	316.7	316.7	77.2			77.2				9.3	9.3	2.3	9.3	9.3	2.3
37	2062	R44	1.000	0.234	316.7	316.7	74.2			74.2				9.3	9.3	2.2	9.3	9.3	2.2
38	2063	R45	1.000	0.225	316.7	316.7	71.3			71.3				9.3	9.3	2.1	9.3	9.3	2.1
39	2064	R46	1.000	0.217	316.7	316.7	68.6			68.6				9.3	9.3	2.0	9.3	9.3	2.0
40	2065	R47	1.000	0.208	313.1	313.1	65.2	1.8	0.4	65.6				9.3	9.3	1.9	9.3	9.3	1.9
41	2066	R48	1.000	0.200	308.2	308.2	61.7												

【費用便益算定シート】

・円山川総合水系環境整備事業（全体事業）

・感度分析：便益（+10%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

[単位：百万円]

年度	t	西暦	和暦	デフレ率 換算係数	割引率	便益：B			費用：C										
						便益①		残存価値②		計①+②		建設費③		維持管理費④		計③+④			
						便益	実買価格 現在価値	実買価格 現在価値	現在価値	費用	実買価格 現在価値	費用	実買価格 現在価値	費用	実買価格 現在価値				
-22	2003	H15	1.365	2.370						211.4	288.5	683.7			211.4	288.5	683.7		
-21	2004	H16	1.360	2.279						517.5	703.9	1,604.0			517.5	703.9	1,604.0		
-20	2005	H17	1.353	2.191						60.2	81.5	178.6			60.2	81.5	178.6		
-19	2006	H18	1.338	2.107						365.0	488.3	1,028.8			365.0	488.3	1,028.8		
-18	2007	H19	1.317	2.026			78.0	102.8	208.3	208.3	91.4	120.5	244.1	1.7	2.2	4.5	93.1	122.7	248.6
-17	2008	H20	1.279	1.948			87.9	112.4	218.9	218.9	210.8	269.5	525.0	1.7	2.2	4.3	212.5	271.7	529.3
-16	2009	H21	1.320	1.873			95.4	126.0	236.0	236.0	305.2	403.0	754.8	1.8	2.4	4.5	307.0	405.4	759.3
-15	2010	H22	1.319	1.801			95.4	125.9	226.7	226.7	169.0	223.0	401.6	2.1	2.8	5.0	171.1	225.8	406.6
-14	2011	H23	1.287	1.732			95.4	122.8	212.6	212.6	228.6	294.2	509.5	2.2	2.8	4.8	230.8	297.0	514.3
-13	2012	H24	1.291	1.665			95.4	123.2	205.1	205.1	213.8	276.0	459.6	2.3	3.0	5.0	216.1	279.0	464.6
-12	2013	H25	1.264	1.601			95.4	120.7	193.2	193.2	211.4	267.2	427.8	2.5	3.2	5.1	213.9	270.4	432.9
-11	2014	H26	1.224	1.539			95.4	116.8	179.8	179.8	222.2	271.9	418.6	2.6	3.2	4.9	224.8	275.1	423.5
-10	2015	H27	1.220	1.480			99.4	121.2	179.4	179.4	223.2	272.4	403.2	2.8	3.4	5.0	226.0	275.8	408.2
-9	2016	H28	1.213	1.423			104.8	127.1	180.9	180.9	217.2	266.6	386.4	2.9	3.5	5.0	226.0	275.8	408.2
-8	2017	H29	1.186	1.369			104.8	124.2	170.0	170.0	214.4	257.8	352.8	4.4	5.2	7.1	221.8	263.0	359.9
-7	2018	H30	1.146	1.316			142.4	163.1	214.6	214.6	272.1	311.7	410.2	4.4	5.0	6.6	276.5	316.7	416.8
-6	2019	R01	1.120	1.265			304.3	340.9	431.3	431.3	165.2	185.1	234.2	4.4	4.9	6.2	169.6	190.0	240.4
-5	2020	R02	1.119	1.217			309.3	346.2	421.2	421.2	31.6	35.3	42.9	5.2	5.8	7.1	169.6	190.0	240.4
-4	2021	R03	1.079	1.170			327.4	353.2	413.2	413.2	128.5	138.6	162.1	5.4	5.8	6.8	133.9	144.4	168.9
-3	2022	R04	1.030	1.125			327.4	337.1	379.2	379.2	194.0	199.8	224.7	5.4	5.6	6.3	199.4	205.4	231.0
-2	2023	R05	1.000	1.082			327.4	327.4	354.1	354.1	174.7	174.7	189.0	6.7	6.7	7.2	181.4	181.4	196.2
-1	2024	R06	1.000	1.040			327.4	327.4	340.5	340.5	179.2	179.2	186.4	6.7	6.7	7.0	185.9	185.9	193.4
0	2025	R07	1.000	1.000			327.4	327.4	327.4	327.4	129.3	129.3	129.3	6.7	6.7	6.7	136.0	136.0	136.0
1	2026	R08	1.000	0.962			327.4	327.4	314.8	314.8	232.9	232.9	223.9	6.7	6.7	6.4	239.6	239.6	230.3
2	2027	R09	1.000	0.925			327.4	327.4	302.7	302.7	127.1	127.1	302.4	6.7	6.7	6.2	333.8	333.8	308.6
3	2028	R10	1.000	0.889			327.4	327.4	291.1	291.1	123.1	109.4	109.4	6.7	6.7	6.0	129.8	129.8	115.4
4	2029	R11	1.000	0.855			327.4	327.4	279.9	279.9	133.9	133.9	114.5	6.7	6.7	5.7	140.6	140.6	120.2
5	2030	R12	1.000	0.822			327.4	327.4	269.1	269.1	26.2	26.2	21.5	6.7	6.7	5.5	32.9	32.9	27.0
6	2031	R13	1.000	0.790			327.4	327.4	258.7	258.7	26.2	26.2	20.7	6.7	6.7	5.3	32.9	32.9	26.0
7	2032	R14	1.000	0.760			327.4	327.4	248.8	248.8	24.9	24.9	18.9	8.0	8.0	6.1	32.9	32.9	25.0
8	2033	R15	1.000	0.731			370.1	370.1	270.4	270.4	24.9	24.9	18.2	8.0	8.0	5.8	32.9	32.9	24.0
9	2034	R16	1.000	0.703			370.1	370.1	260.0	260.0	48.6	48.6	34.1	8.0	8.0	5.6	56.6	56.6	39.7
10	2035	R17	1.000	0.676			443.8	443.8	299.8	299.8				9.3	9.3	6.3	9.3	9.3	6.3
11	2036	R18	1.000	0.650			443.8	443.8	288.3	288.3				9.3	9.3	6.0	9.3	9.3	6.0
12	2037	R19	1.000	0.625			443.8	443.8	277.2	277.2				9.3	9.3	5.8	9.3	9.3	5.8
13	2038	R20	1.000	0.601			443.8	443.8	266.5	266.5				9.3	9.3	5.6	9.3	9.3	5.6
14	2039	R21	1.000	0.577			443.8	443.8	256.3	256.3				9.3	9.3	5.4	9.3	9.3	5.4
15	2040	R22	1.000	0.555			443.8	443.8	246.4	246.4				9.3	9.3	5.2	9.3	9.3	5.2
16	2041	R23	1.000	0.534			443.8	443.8	236.9	236.9				9.3	9.3	5.0	9.3	9.3	5.0
17	2042	R24	1.000	0.513			443.8	443.8	227.8	227.8				9.3	9.3	4.8	9.3	9.3	4.8
18	2043	R25	1.000	0.494			443.8	443.8	219.1	219.1				9.3	9.3	4.6	9.3	9.3	4.6
19	2044	R26	1.000	0.475			443.8	443.8	210.6	210.6				9.3	9.3	4.4	9.3	9.3	4.4
20	2045	R27	1.000	0.456			443.8	443.8	202.5	202.5				9.3	9.3	4.2	9.3	9.3	4.2
21	2046	R28	1.000	0.439			443.8	443.8	194.8	194.8				9.3	9.3	4.1	9.3	9.3	4.1
22	2047	R29	1.000	0.422			443.8	443.8	187.3	187.3				9.3	9.3	3.9	9.3	9.3	3.9
23	2048	R30	1.000	0.406			443.8	443.8	180.1	180.1				9.3	9.3	3.8	9.3	9.3	3.8
24	2049	R31	1.000	0.390			443.8	443.8	173.1	173.1				9.3	9.3	3.6	9.3	9.3	3.6
25	2050	R32	1.000	0.375			443.8	443.8	166.5	166.5				9.3	9.3	3.5	9.3	9.3	3.5
26	2051	R33	1.000	0.361			443.8	443.8	160.1	160.1				9.3	9.3	3.4	9.3	9.3	3.4
27	2052	R34	1.000	0.347			443.8	443.8	153.9	153.9				9.3	9.3	3.2	9.3	9.3	3.2
28	2053	R35	1.000	0.333			443.8	443.8	148.0	148.0				9.3	9.3	3.1	9.3	9.3	3.1
29	2054	R36	1.000	0.321			443.8	443.8	142.3	142.3				9.3	9.3	3.0	9.3	9.3	3.0
30	2055	R37	1.000	0.308			443.8	443.8	136.8	136.8				9.3	9.3	2.9	9.3	9.3	2.9
31	2056	R38	1.000	0.296			443.8	443.8	131.6	131.6	87.0	25.8	157.4	9.3	9.3	2.8	9.3	9.3	2.8
32	2057	R39	1.000	0.285			365.8	365.8	104.3	104.3				9.3	9.3	2.7	9.3	9.3	2.7
33	2058	R40	1.000	0.274			355.9	355.9	97.6	97.6				9.3	9.3	2.5	9.3	9.3	2.5
34	2059	R41	1.000	0.264			348.4	348.4	91.8	91.8				9.3	9.3	2.5	9.3	9.3	2.5
35	2060	R42	1.000	0.253			348.4	348.4	86.3	86.3				9.3	9.3	2.4	9.3	9.3	2.4
36	2061	R43	1.000	0.244			348.4	348.4	81.9	81.9				9.3	9.3	2.3	9.3	9.3	2.3
37	2062	R44	1.000	0.234			348.4	348.4	78.5	78.5				9.3	9.3	2.2	9.3	9.3	2.2
38	2063	R45	1.000	0.225			348.4	348.4	75.5	75.5				9.3	9.3	2.1	9.3	9.3	2.1
39	2064	R46	1.000	0.217			348.4	348.4	72.5	72.5				9.3	9.3	2.0	9.3	9.3	2.0
40	2065	R47	1.000	0.208			344.4	344.4	71.7	71.7	1.8	0.4	72.1	9.3	9.3	1.9	9.3	9.3	1.9
41	2066	R48	1.000	0.200			339.0	339.0	67.9	67.9				9.3	9.3	1.9	9.3	9.3	1.9
42	2067	R49	1.000	0.193			339.0	339.0	65.3	65.3				9.3	9.3	1.8	9.3	9.3	1.8
43	2068	R50	1.000	0.185			301.4	301.4	55.8	55.8	361.9	67.0	122.8	9.3	9.3	1.7	9.3	9.3	1.7
44	2069	R51	1.000	0.178			139.5	139.5	24.8	24.8				9.3	9.3	1.7	9.3	9.3	1.7
45	2070	R52	1.000	0.171			134.5	134.5	23.0	23.0				9.3	9.3	1.6	9.3	9.3	1.6
46	2071	R53	1.000	0.165			116.4	116.4	19.2	19.2				9.3	9.3	1.5	9.3	9.3	1.5
47	2072	R54	1.000	0.158			116.4	116.4	18.4	18.4				9.3	9.3	1.5	9.3	9.3	1.5
48	2073	R55	1.000	0.152			116.4	116.4	17.7	17.7				8.0	8.0	1.2	8.0	8.0	1.2
49	2074	R56	1.000	0.146			116.4	116.4	17.0	17.0									



【費用便益算定シート】  
 ・円山川総合水系環境整備事業（残事業）  
 ・感度分析：残事業費（+10%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

【単位：百万円】

年度	デルタ		割引率	便益①		便益・B		残存価値②		計①+②	建設費③		費用・C		計③+④								
	西暦	和暦		換算係数	便益	便益の差	現在価値	実質価格	中止		残存価値の差	現在価値	現在価値	費用	費用の差	現在価値	費用	費用の差	現在価値	費用	実質価格	現在価値	
-22	2003	H15	1.365	2,370							211.4	211.4									211.4		
-21	2004	H16	1.360	2,279							517.5	517.5									517.5		
-20	2005	H17	1.353	2,181							60.2	60.2									60.2		
-19	2006	H18	1.338	2,107							365.0	365.0									365.0		
-18	2007	H19	1.317	2,026	70.9	70.9					91.4	91.4		1.7	1.7						93.1		
-17	2008	H20	1.279	1,948	79.9	79.9					210.8	210.8		1.7	1.7						212.5		
-16	2009	H21	1.320	1,873	86.8	86.8					305.2	305.2		1.8	1.8						307.0		
-15	2010	H22	1.319	1,801	86.8	86.8					169.0	169.0		2.1	2.1						171.1		
-14	2011	H23	1.287	1,732	86.8	86.8					228.6	228.6		2.2	2.2						230.8		
-13	2012	H24	1.291	1,665	86.8	86.8					213.8	213.8		2.3	2.3						216.1		
-12	2013	H25	1.264	1,601	86.8	86.8					211.4	211.4		2.5	2.5						213.9		
-11	2014	H26	1.224	1,539	86.8	86.8					222.2	222.2		2.6	2.6						224.8		
-10	2015	H27	1.220	1,480	90.4	90.4					223.2	223.2		2.8	2.8						226.0		
-9	2016	H28	1.213	1,423	95.3	95.3					467.2	467.2		2.9	2.9						470.1		
-8	2017	H29	1.186	1,369	95.3	95.3					217.4	217.4		4.4	4.4						221.8		
-7	2018	H30	1.146	1,316	129.4	129.4					272.1	272.1		4.4	4.4						276.5		
-6	2019	R01	1.120	1,265	276.7	276.7					165.2	165.2		4.4	4.4						169.6		
-5	2020	R02	1.119	1,217	281.2	281.2					31.6	31.6		5.2	5.2						36.8		
-4	2021	R03	1.079	1,170	297.7	297.7					128.5	128.5		5.4	5.4						133.9		
-3	2022	R04	1.030	1,125	297.7	297.7					194.0	194.0		5.4	5.4						199.4		
-2	2023	R05	1.000	1,082	297.7	297.7					174.7	174.7		6.7	6.7						181.4		
-1	2024	R06	1.000	1,040	297.7	297.7					179.2	179.2		6.7	6.7						185.9		
	2025	R07	1.000	1,000	297.7	297.7					129.3	129.3		6.7	6.7						136.0		
1	2026	R08	1.000	0.962	297.7	297.7					256.2	256.2	256.2	246.4	6.7	6.7					262.9	256.2	246.4
2	2027	R09	1.000	0.925	297.7	297.7					359.6	359.6	359.6	352.5	6.7	6.7					366.3	359.6	352.5
3	2028	R10	1.000	0.889	297.7	297.7					135.3	135.3	135.3	129.3	6.7	6.7					142.0	135.3	129.3
4	2029	R11	1.000	0.855	297.7	297.7					147.1	147.1	147.1	125.8	6.7	6.7					153.8	147.1	125.8
5	2030	R12	1.000	0.822	297.7	297.7					28.6	28.6	28.6	23.5	6.7	6.7					35.3	28.6	23.5
6	2031	R13	1.000	0.790	297.7	297.7					28.6	28.6	28.6	22.6	6.7	6.7					35.3	28.6	22.6
7	2032	R14	1.000	0.760	336.5	297.7	38.8	29.5			29.5	27.3	27.3	20.7	8.0	6.7	1.3	1.0			35.3	28.6	21.7
8	2033	R15	1.000	0.731	336.5	297.7	38.8	28.4			28.4	27.3	27.3	19.9	8.0	6.7	1.3	0.9			35.3	28.6	20.8
9	2034	R16	1.000	0.703	336.5	297.7	38.8	27.3			27.3	53.3	53.3	37.5	8.0	6.7	1.3	0.9			61.3	54.6	38.4
10	2035	R17	1.000	0.676	403.5	297.7	105.8	71.5			71.5	6.7	6.7	1.7	9.3	6.7	2.6	1.5			9.3	2.6	1.9
11	2036	R18	1.000	0.650	403.5	297.7	105.8	68.7			68.7	6.7	6.7	1.7	9.3	6.7	2.6	1.5			9.3	2.6	1.7
12	2037	R19	1.000	0.625	403.5	297.7	105.8	66.1			66.1	6.7	6.7	1.6	9.3	6.7	2.6	1.6			9.3	2.6	1.6
13	2038	R20	1.000	0.601	403.5	297.7	105.8	63.6			63.6	6.7	6.7	1.6	9.3	6.7	2.6	1.6			9.3	2.6	1.6
14	2039	R21	1.000	0.577	403.5	297.7	105.8	61.1			61.1	6.7	6.7	1.5	9.3	6.7	2.6	1.5			9.3	2.6	1.5
15	2040	R22	1.000	0.555	403.5	297.7	105.8	58.8			58.8	6.7	6.7	1.4	9.3	6.7	2.6	1.4			9.3	2.6	1.4
16	2041	R23	1.000	0.534	403.5	297.7	105.8	56.5			56.5	6.7	6.7	1.4	9.3	6.7	2.6	1.4			9.3	2.6	1.4
17	2042	R24	1.000	0.513	403.5	297.7	105.8	54.3			54.3	6.7	6.7	1.3	9.3	6.7	2.6	1.3			9.3	2.6	1.3
18	2043	R25	1.000	0.494	403.5	297.7	105.8	52.2			52.2	6.7	6.7	1.3	9.3	6.7	2.6	1.3			9.3	2.6	1.3
19	2044	R26	1.000	0.475	403.5	297.7	105.8	50.2			50.2	6.7	6.7	1.2	9.3	6.7	2.6	1.2			9.3	2.6	1.2
20	2045	R27	1.000	0.456	403.5	297.7	105.8	48.3			48.3	6.7	6.7	1.2	9.3	6.7	2.6	1.2			9.3	2.6	1.2
21	2046	R28	1.000	0.439	403.5	297.7	105.8	46.4			46.4	6.7	6.7	1.1	9.3	6.7	2.6	1.1			9.3	2.6	1.1
22	2047	R29	1.000	0.422	403.5	297.7	105.8	44.7			44.7	6.7	6.7	1.1	9.3	6.7	2.6	1.1			9.3	2.6	1.1
23	2048	R30	1.000	0.406	403.5	297.7	105.8	42.9			42.9	6.7	6.7	1.1	9.3	6.7	2.6	1.1			9.3	2.6	1.1
24	2049	R31	1.000	0.390	403.5	297.7	105.8	41.3			41.3	6.7	6.7	1.0	9.3	6.7	2.6	1.0			9.3	2.6	1.0
25	2050	R32	1.000	0.375	403.5	297.7	105.8	39.7			39.7	6.7	6.7	1.0	9.3	6.7	2.6	1.0			9.3	2.6	1.0
26	2051	R33	1.000	0.361	403.5	297.7	105.8	38.2			38.2	6.7	6.7	0.9	9.3	6.7	2.6	0.9			9.3	2.6	0.9
27	2052	R34	1.000	0.347	403.5	297.7	105.8	36.7			36.7	6.7	6.7	0.9	9.3	6.7	2.6	0.9			9.3	2.6	0.9
28	2053	R35	1.000	0.333	403.5	297.7	105.8	35.3			35.3	6.7	6.7	0.9	9.3	6.7	2.6	0.9			9.3	2.6	0.9
29	2054	R36	1.000	0.321	403.5	297.7	105.8	33.9			33.9	6.7	6.7	0.8	9.3	6.7	2.6	0.8			9.3	2.6	0.8
30	2055	R37	1.000	0.308	403.5	297.7	105.8	32.6			32.6	6.7	6.7	0.8	9.3	6.7	2.6	0.8			9.3	2.6	0.8
31	2056	R38	1.000	0.296	403.5	297.7	105.8	31.4	87.0	87.0	31.4	6.7	6.7	0.8	9.3	6.7	2.6	0.8			9.3	2.6	0.8
32	2057	R39	1.000	0.285	332.6	226.7	105.8	30.2			30.2	6.7	6.7	0.7	9.3	6.7	2.6	0.7			9.3	2.6	0.7
33	2058	R40	1.000	0.274	322.6	217.8	105.8	29.0			29.0	6.7	6.7	0.7	9.3	6.7	2.6	0.7			9.3	2.6	0.7
34	2059	R41	1.000	0.264	316.7	210.9	105.8	27.9			27.9	6.7	6.7	0.7	9.3	6.7	2.6	0.7			9.3	2.6	0.7
35	2060	R42	1.000	0.253	316.7	210.9	105.8	26.8			26.8	6.7	6.7	0.7	9.3	6.7	2.6	0.7			9.3	2.6	0.7
36	2061	R43	1.000	0.244	316.7	210.9	105.8	25.8			25.8	6.7	6.7	0.6	9.3	6.7	2.6	0.6			9.3	2.6	0.6
37	2062	R44	1.000	0.234	316.7	210.9	105.8	24.8			24.8	6.7	6.7	0.6	9.3	6.7	2.6	0.6			9.3	2.6	0.6
38	2063	R45	1.000	0.225	316.7	210.9	105.8	23.8			23.8	6.7	6.7	0.6	9.3	6.7	2.6	0.6			9.3	2.6	0.6
39	2064	R46	1.000	0.217	316.7	210.9	105.8	22.9			22.9	6.7	6.7	0.6	9.3	6.7	2.6	0.6			9.3	2.6	0.6
40	2065	R47	1.000	0.208	313.1	207.3	105.8	22.0	1.8	1.8	22.0	6.7	6.7	0.5	9.3	6.7	2.6	0.5			9.3	2.6	0.5
41	2066	R48	1.000	0.200	308.2	202.4	105.8	21.2			21.2	6.7	6.7	0.5	9.3	6.7	2.6	0.5			9.3	2.6	0.5
42	2067	R49	1.000	0.193	308.2	202.4	105.8	20.4			20.4	6.7	6.7	0.5	9.3	6.7	2.6	0.5			9.3	2.6	0.5
43	2068	R50	1.000	0.185	274.1	168.2	105.8	19.6	361.9	361.9	19.6	6.7	6.7	0.5	9.3	6.7	2.6	0.5			9.3	2.6	0.5
44	2069	R51	1.000	0.178	126.8	21.0	105.8	18.8			18.8	6.7	6.7										

【費用便益算定シート】  
 ・円山川総合水系環境整備事業（残事業）  
 ・感度分析：残事業費（-1.0%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

【単位：百万円】

年度	デルタ		割引率	便益①		便益・B		残存価値②		計①+②	建設費③		費用・C		計③+④							
	西暦	和暦		換算係数	便益	便益の差	現在価値	実質価格	中止		現在価値	現在価値	費用	費用の差	現在価値	費用	費用の差	現在価値	費用	実質価格	現在価値	
-22	2003	H15	1.365	2.370							211.4	211.4								211.4		
-21	2004	H16	1.360	2.279							517.5	517.5								517.5		
-20	2005	H17	1.353	2.181							60.2	60.2								60.2		
-19	2006	H18	1.338	2.107							365.0	365.0								365.0		
-18	2007	H19	1.317	2.026	70.9	70.9					91.4	91.4	1.7	1.7						93.1		
-17	2008	H20	1.279	1.948	79.9	79.9					210.8	210.8	1.7	1.7						212.5		
-16	2009	H21	1.320	1.873	86.8	86.8					305.2	305.2	1.8	1.8						307.0		
-15	2010	H22	1.319	1.801	86.8	86.8					169.0	169.0	2.1	2.1						171.1		
-14	2011	H23	1.287	1.732	86.8	86.8					228.6	228.6	2.2	2.2						230.8		
-13	2012	H24	1.291	1.665	86.8	86.8					213.8	213.8	2.3	2.3						216.1		
-12	2013	H25	1.264	1.601	86.8	86.8					211.4	211.4	2.5	2.5						213.9		
-11	2014	H26	1.224	1.539	86.8	86.8					222.2	222.2	2.6	2.6						224.8		
-10	2015	H27	1.220	1.480	90.4	90.4					223.2	223.2	2.8	2.8						226.0		
-9	2016	H28	1.213	1.423	95.3	95.3					467.2	467.2	2.9	2.9						470.1		
-8	2017	H29	1.186	1.369	95.3	95.3					217.4	217.4	4.4	4.4						221.8		
-7	2018	H30	1.146	1.316	129.4	129.4					272.1	272.1	4.4	4.4						276.5		
-6	2019	R01	1.120	1.265	276.7	276.7					165.2	165.2	4.4	4.4						169.6		
-5	2020	R02	1.119	1.217	281.2	281.2					31.6	31.6	5.2	5.2						36.8		
-4	2021	R03	1.079	1.170	297.7	297.7					128.5	128.5	5.4	5.4						133.9		
-3	2022	R04	1.030	1.125	297.7	297.7					194.0	194.0	5.4	5.4						199.4		
-2	2023	R05	1.000	1.082	297.7	297.7					174.7	174.7	6.7	6.7						181.4		
-1	2024	R06	1.000	1.040	297.7	297.7					179.2	179.2	6.7	6.7						185.9		
	2025	R07	1.000	1.000	297.7	297.7					129.3	129.3	6.7	6.7						136.0		
1	2026	R08	1.000	0.962	297.7	297.7					209.6	209.6	209.6	201.6	6.7	6.7			216.3	209.6	201.6	
2	2027	R09	1.000	0.925	297.7	297.7					294.5	294.5	294.5	272.3	6.7	6.7			301.2	294.5	272.3	
3	2028	R10	1.000	0.889	297.7	297.7					110.9	110.9	110.9	98.6	6.7	6.7			117.6	110.9	98.6	
4	2029	R11	1.000	0.855	297.7	297.7					120.6	120.6	103.1	6.7	6.7			127.3	120.6	103.1		
5	2030	R12	1.000	0.822	297.7	297.7					23.8	23.8	19.6	6.7	6.7			30.5	23.8	19.6		
6	2031	R13	1.000	0.790	297.7	297.7					23.8	23.8	18.8	6.7	6.7			30.5	23.8	18.8		
7	2032	R14	1.000	0.760	336.5	297.7	38.8	29.5			29.5	22.5	22.5	17.1	8.0	6.7	1.3	1.0	30.5	23.8	18.1	
8	2033	R15	1.000	0.731	336.5	297.7	38.8	28.4			28.4	22.5	16.5	8.0	6.7	1.3	0.9	30.5	23.8	17.4		
9	2034	R16	1.000	0.703	336.5	297.7	38.8	27.3			27.3	43.9	43.9	30.8	8.0	6.7	1.3	0.9	51.9	45.2	31.7	
10	2035	R17	1.000	0.676	403.5	297.7	105.8	71.5			71.5	6.7	2.6	1.5	9.3	6.7	1.5	1.2	9.3	2.6	1.8	
11	2036	R18	1.000	0.650	403.5	297.7	105.8	68.7			68.7	9.3	6.7	2.6	1.7	9.3	6.7	2.6	1.7	9.3	2.6	1.7
12	2037	R19	1.000	0.625	403.5	297.7	105.8	66.1			66.1	9.3	6.7	2.6	1.6	9.3	6.7	2.6	1.6	9.3	2.6	1.6
13	2038	R20	1.000	0.601	403.5	297.7	105.8	63.6			63.6	9.3	6.7	2.6	1.6	9.3	6.7	2.6	1.6	9.3	2.6	1.6
14	2039	R21	1.000	0.577	403.5	297.7	105.8	61.1			61.1	9.3	6.7	2.6	1.5	9.3	6.7	2.6	1.5	9.3	2.6	1.5
15	2040	R22	1.000	0.555	403.5	297.7	105.8	58.8			58.8	9.3	6.7	2.6	1.4	9.3	6.7	2.6	1.4	9.3	2.6	1.4
16	2041	R23	1.000	0.534	403.5	297.7	105.8	56.5			56.5	9.3	6.7	2.6	1.4	9.3	6.7	2.6	1.4	9.3	2.6	1.4
17	2042	R24	1.000	0.513	403.5	297.7	105.8	54.3			54.3	9.3	6.7	2.6	1.3	9.3	6.7	2.6	1.3	9.3	2.6	1.3
18	2043	R25	1.000	0.494	403.5	297.7	105.8	52.2			52.2	9.3	6.7	2.6	1.3	9.3	6.7	2.6	1.3	9.3	2.6	1.3
19	2044	R26	1.000	0.475	403.5	297.7	105.8	50.2			50.2	9.3	6.7	2.6	1.2	9.3	6.7	2.6	1.2	9.3	2.6	1.2
20	2045	R27	1.000	0.456	403.5	297.7	105.8	48.3			48.3	9.3	6.7	2.6	1.2	9.3	6.7	2.6	1.2	9.3	2.6	1.2
21	2046	R28	1.000	0.439	403.5	297.7	105.8	46.4			46.4	9.3	6.7	2.6	1.1	9.3	6.7	2.6	1.1	9.3	2.6	1.1
22	2047	R29	1.000	0.422	403.5	297.7	105.8	44.7			44.7	9.3	6.7	2.6	1.1	9.3	6.7	2.6	1.1	9.3	2.6	1.1
23	2048	R30	1.000	0.406	403.5	297.7	105.8	42.9			42.9	9.3	6.7	2.6	1.1	9.3	6.7	2.6	1.1	9.3	2.6	1.1
24	2049	R31	1.000	0.390	403.5	297.7	105.8	41.3			41.3	9.3	6.7	2.6	1.0	9.3	6.7	2.6	1.0	9.3	2.6	1.0
25	2050	R32	1.000	0.375	403.5	297.7	105.8	39.7			39.7	9.3	6.7	2.6	1.0	9.3	6.7	2.6	1.0	9.3	2.6	1.0
26	2051	R33	1.000	0.361	403.5	297.7	105.8	38.2			38.2	9.3	6.7	2.6	0.9	9.3	6.7	2.6	0.9	9.3	2.6	0.9
27	2052	R34	1.000	0.347	403.5	297.7	105.8	36.7			36.7	9.3	6.7	2.6	0.9	9.3	6.7	2.6	0.9	9.3	2.6	0.9
28	2053	R35	1.000	0.333	403.5	297.7	105.8	35.3			35.3	9.3	6.7	2.6	0.9	9.3	6.7	2.6	0.9	9.3	2.6	0.9
29	2054	R36	1.000	0.321	403.5	297.7	105.8	33.9			33.9	9.3	6.7	2.6	0.8	9.3	6.7	2.6	0.8	9.3	2.6	0.8
30	2055	R37	1.000	0.308	403.5	297.7	105.8	32.6			32.6	9.3	6.7	2.6	0.8	9.3	6.7	2.6	0.8	9.3	2.6	0.8
31	2056	R38	1.000	0.296	403.5	297.7	105.8	31.4	87.0	87.0	31.4	9.3	6.7	2.6	0.8	9.3	6.7	2.6	0.8	9.3	2.6	0.8
32	2057	R39	1.000	0.285	432.6	226.7	105.8	30.2			30.2	9.3	6.7	2.6	0.7	9.3	6.7	2.6	0.7	9.3	2.6	0.7
33	2058	R40	1.000	0.274	462.6	217.8	105.8	29.0			29.0	9.3	6.7	2.6	0.7	9.3	6.7	2.6	0.7	9.3	2.6	0.7
34	2059	R41	1.000	0.264	516.7	210.9	105.8	27.9			27.9	9.3	6.7	2.6	0.7	9.3	6.7	2.6	0.7	9.3	2.6	0.7
35	2060	R42	1.000	0.253	516.7	210.9	105.8	26.8			26.8	9.3	6.7	2.6	0.7	9.3	6.7	2.6	0.7	9.3	2.6	0.7
36	2061	R43	1.000	0.244	516.7	210.9	105.8	25.8			25.8	9.3	6.7	2.6	0.6	9.3	6.7	2.6	0.6	9.3	2.6	0.6
37	2062	R44	1.000	0.234	516.7	210.9	105.8	24.8			24.8	9.3	6.7	2.6	0.6	9.3	6.7	2.6	0.6	9.3	2.6	0.6
38	2063	R45	1.000	0.225	516.7	210.9	105.8	23.8			23.8	9.3	6.7	2.6	0.6	9.3	6.7	2.6	0.6	9.3	2.6	0.6
39	2064	R46	1.000	0.217	516.7	210.9	105.8	22.9			22.9	9.3	6.7	2.6	0.6	9.3	6.7	2.6	0.6	9.3	2.6	0.6
40	2065	R47	1.000	0.208	516.7	210.9	105.8	22.0	1.8	1.8	22.0	9.3	6.7	2.6	0.5	9.3	6.7	2.6	0.5	9.3	2.6	0.5
41	2066	R48	1.000	0.200	508.2	202.4	105.8	21.2			21.2	9.3	6.7	2.6	0.5	9.3	6.7	2.6	0.5	9.3	2.6	0.5
42	2067	R49	1.000	0.193	508.2	202.4	105.8	20.4			20.4	9.3	6.7	2.6	0.5	9.3	6.7	2.6	0.5	9.3	2.6	0.5
43	2068	R50	1.000	0.185	516.7	168.2	105.8	19.6	361.9	361.9	19.6	9.3	6.7	2.6	0.5	9.3	6.7	2.6	0.5	9.3	2.6	0.5
44	2069	R51	1.000	0.178	516.7	168.2	105.8	18.8			18.8	9.3	6.7	2.6	0.5	9.3	6.7	2.6	0.5	9.3	2.6	0.5
45	2070	R52	1.000	0.171	516.7	168.2	105.8	18.1			18.1	9.3	6.7	2.6	0.4	9.3	6.7</					

【費用便益算定シート】  
 ・円山川総合水系環境整備事業（残事業）  
 ・感度分析：残工期（+1.0%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

年度	西暦	和暦	デフレ率	割引率	便益①				便益②				建設費③				費用④				計③+④							
					便益		現在価値		現在価値		現在価値		現在価値		現在価値		現在価値		現在価値		現在価値		現在価値					
					便益	現在価値	便益	現在価値	便益	現在価値	便益	現在価値	費用	現在価値	費用	現在価値	費用	現在価値	費用	現在価値	費用	現在価値	費用	現在価値				
-22	2003	H15	1.365	2.370										211.4	211.4									211.4				
-21	2004	H16	1.360	2.279										517.5	517.5											517.5		
-20	2005	H17	1.353	2.191										60.2	60.2											60.2		
-19	2006	H18	1.338	2.107										365.0	365.0											365.0		
-18	2007	H19	1.317	2.026	70.9	70.9								91.4	91.4					1.7	1.7					93.1		
-17	2008	H20	1.279	1.948	79.9	79.9								210.8	210.8					1.7	1.7					212.5		
-16	2009	H21	1.230	1.873	86.8	86.8								305.2	305.2					1.8	1.8					307.0		
-15	2010	H22	1.219	1.801	86.8	86.8								169.0	169.0					2.1	2.1					171.1		
-14	2011	H23	1.287	1.732	86.8	86.8								228.6	228.6					2.2	2.2					230.8		
-13	2012	H24	1.291	1.665	86.8	86.8								213.8	213.8					2.3	2.3					216.1		
-12	2013	H25	1.264	1.601	86.8	86.8								211.4	211.4					2.5	2.5					213.9		
-11	2014	H26	1.224	1.539	86.8	86.8								222.2	222.2					2.6	2.6					224.8		
-10	2015	H27	1.220	1.480	90.4	90.4								223.2	223.2					2.8	2.8					226.0		
-9	2016	H28	1.213	1.423	95.3	95.3								467.2	467.2					2.9	2.9					470.1		
-8	2017	H29	1.186	1.369	95.3	95.3								217.4	217.4					4.4	4.4					221.8		
-7	2018	H30	1.148	1.315	129.4	129.4								272.1	272.1					4.4	4.4					276.5		
-6	2019	R01	1.120	1.265	276.7	276.7								165.2	165.2					4.4	4.4					169.6		
-5	2020	R02	1.119	1.217	281.2	281.2								31.6	31.6					5.2	5.2					36.8		
-4	2021	R03	1.079	1.170	297.7	297.7								128.5	128.5					5.4	5.4					133.9		
-3	2022	R04	1.030	1.125	297.7	297.7								194.0	194.0					5.4	5.4					199.4		
-2	2023	R05	1.000	1.082	297.7	297.7								174.7	174.7					6.7	6.7					181.4		
-1	2024	R06	1.000	1.040	297.7	297.7								179.4	179.4					6.7	6.7					186.1		
0	2025	R07	1.000	1.000	297.7	297.7								129.3	129.3					6.7	6.7					136.0		
1	2026	R08	1.000	0.962	297.7	297.7								209.6	209.6	209.6	201.6			6.7	6.7					216.3	209.6	201.6
2	2027	R09	1.000	0.925	297.7	297.7								284.9	284.9	284.9	263.4			6.7	6.7					291.6	284.9	263.4
3	2028	R10	1.000	0.889	297.7	297.7								151.6	151.6	134.7				6.7	6.7					158.3	151.6	134.7
4	2029	R11	1.000	0.855	297.7	297.7								117.2	117.2	100.2				6.7	6.7					123.9	117.2	100.2
5	2030	R12	1.000	0.822	297.7	297.7								66.6	66.6	54.8				6.7	6.7					73.3	66.6	54.8
6	2031	R13	1.000	0.790	297.7	297.7								23.6	23.6	18.6				6.7	6.7					30.3	23.6	18.6
7	2032	R14	1.000	0.760	297.7	297.7								23.2	23.2	17.6				8.0	6.7	1.3	1.0			31.2	24.5	18.6
8	2033	R15	1.000	0.731	336.5	297.7	38.8	28.4						22.4	22.4	16.4				8.0	6.7	3.0	0.9			30.4	23.7	17.3
9	2034	R16	1.000	0.703	336.5	297.7	38.8	27.3						27.3	24.8	17.4				8.0	6.7	1.3	0.9			32.8	26.1	18.3
10	2035	R17	1.000	0.676	336.5	297.7	38.8	26.2						26.2	43.7	43.7	29.5			8.0	6.7	1.3	0.9			51.7	45.0	30.4
11	2036	R18	1.000	0.650	403.5	297.7	105.8	68.7						68.7						9.3	6.7	2.6	1.7			9.3	2.6	1.7
12	2037	R19	1.000	0.625	403.5	297.7	105.8	66.1						66.1						9.3	6.7	2.6	1.6			9.3	2.6	1.6
13	2038	R20	1.000	0.601	403.5	297.7	105.8	63.6						63.6						9.3	6.7	2.6	1.6			9.3	2.6	1.6
14	2039	R21	1.000	0.577	403.5	297.7	105.8	61.1						61.1						9.3	6.7	2.6	1.5			9.3	2.6	1.5
15	2040	R22	1.000	0.554	403.5	297.7	105.8	58.6						58.6						9.3	6.7	2.6	1.4			9.3	2.6	1.4
16	2041	R23	1.000	0.534	403.5	297.7	105.8	56.5						56.5						9.3	6.7	2.6	1.4			9.3	2.6	1.4
17	2042	R24	1.000	0.513	403.5	297.7	105.8	54.3						54.3						9.3	6.7	2.6	1.3			9.3	2.6	1.3
18	2043	R25	1.000	0.494	403.5	297.7	105.8	52.2						52.2						9.3	6.7	2.6	1.3			9.3	2.6	1.3
19	2044	R26	1.000	0.475	403.5	297.7	105.8	50.2						50.2						9.3	6.7	2.6	1.2			9.3	2.6	1.2
20	2045	R27	1.000	0.456	403.5	297.7	105.8	48.3						48.3						9.3	6.7	2.6	1.2			9.3	2.6	1.2
21	2046	R28	1.000	0.439	403.5	297.7	105.8	46.4						46.4						9.3	6.7	2.6	1.1			9.3	2.6	1.1
22	2047	R29	1.000	0.422	403.5	297.7	105.8	44.7						44.7						9.3	6.7	2.6	1.1			9.3	2.6	1.1
23	2048	R30	1.000	0.406	403.5	297.7	105.8	42.9						42.9						9.3	6.7	2.6	1.1			9.3	2.6	1.1
24	2049	R31	1.000	0.390	403.5	297.7	105.8	41.3						41.3						9.3	6.7	2.6	1.0			9.3	2.6	1.0
25	2050	R32	1.000	0.375	403.5	297.7	105.8	39.7						39.7						9.3	6.7	2.6	1.0			9.3	2.6	1.0
26	2051	R33	1.000	0.361	403.5	297.7	105.8	38.2						38.2						9.3	6.7	2.6	0.9			9.3	2.6	0.9
27	2052	R34	1.000	0.347	403.5	297.7	105.8	36.7						36.7						9.3	6.7	2.6	0.9			9.3	2.6	0.9
28	2053	R35	1.000	0.333	403.5	297.7	105.8	35.3						35.3						9.3	6.7	2.6	0.9			9.3	2.6	0.9
29	2054	R36	1.000	0.321	403.5	297.7	105.8	33.9						33.9						9.3	6.7	2.6	0.8			9.3	2.6	0.8
30	2055	R37	1.000	0.308	403.5	297.7	105.8	32.6						32.6						9.3	6.7	2.6	0.8			9.3	2.6	0.8
31	2056	R38	1.000	0.296	403.5	297.7	105.8	31.4						31.4						9.3	6.7	2.6	0.8			9.3	2.6	0.8
32	2057	R39	1.000	0.285	332.6	226.7	105.8	30.2						30.2						9.3	6.7	2.6	0.7			9.3	2.6	0.7
33	2058	R40	1.000	0.274	323.6	217.8	105.8	29.0						29.0						9.3	6.7	2.6	0.7			9.3	2.6	0.7
34	2059	R41	1.000	0.264	316.7	210.9	105.8	27.9						27.9						9.3	6.7	2.6	0.7			9.3	2.6	0.7
35	2060	R42	1.000	0.253	316.7	210.9	105.8	26.8						26.8						9.3	6.7	2.6	0.7			9.3	2.6	0.7
36	2061	R43	1.000	0.244	316.7	210.9	105.8	25.8						25.8						9.3	6.7	2.6	0.6			9.3	2.6	0.6
37	2062	R44	1.000	0.234	316.7	210.9	105.8	24.8						24.8						9.3	6.7	2.6	0.6			9.3	2.6	0.6
38	2063	R45	1.000	0.225	316.7	210.9	105.8	23.8						23.8						9.3	6.7	2.6	0.6			9.3	2.6	0.6
39	2064	R46	1.000																									

【費用便益算定シート】

・円山川総合水系環境整備事業（既事業）  
・感度分析：施工期（-1.0%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

【単位：百万円】

年度	西暦	和暦	デューラ 換算係数	割引率	便益①			便益・B			建設費③			費用・C			計③+④				
					便益 （費用）	便益の差 現在価値	現在価値	実質価格 中止	残存価値② 現在価値	現在価値	費用 （費用）	費用の差 現在価値	現在価値	費用 （費用）	費用の差 現在価値	現在価値	費用 （費用）	実質価格 現在価値	現在価値		
-22	2003	H15	1.365	2.370							211.4	211.4							211.4		
-21	2004	H16	1.360	2.279							517.5	517.5							517.5		
-20	2005	H17	1.353	2.181							60.2	60.2							60.2		
-19	2006	H18	1.348	2.107							365.0	365.0							365.0		
-18	2007	H19	1.317	2.026	70.9	70.9					91.4	91.4	1.7	1.7					93.1		
-17	2008	H20	1.279	1.948	79.9	79.9					210.8	210.8	1.7	1.7					212.5		
-16	2009	H21	1.320	1.873	86.8	86.8					305.2	305.2	1.8	1.8					307.0		
-15	2010	H22	1.319	1.801	86.8	86.8					169.0	169.0	2.1	2.1					171.1		
-14	2011	H23	1.287	1.732	86.8	86.8					228.6	228.6	2.2	2.2					230.8		
-13	2012	H24	1.291	1.665	86.8	86.8					213.8	213.8	2.3	2.3					216.1		
-12	2013	H25	1.264	1.601	86.8	86.8					211.4	211.4	2.5	2.5					213.9		
-11	2014	H26	1.224	1.539	86.8	86.8					222.2	222.2	2.6	2.6					224.8		
-10	2015	H27	1.220	1.480	90.4	90.4					223.2	223.2	2.8	2.8					226.0		
-9	2016	H28	1.213	1.423	95.3	95.3					467.2	467.2	2.9	2.9					470.1		
-8	2017	H29	1.186	1.369	95.3	95.3					217.4	217.4	4.4	4.4					221.8		
-7	2018	H30	1.146	1.316	129.4	129.4					272.1	272.1	4.4	4.4					276.5		
-6	2019	R01	1.120	1.265	276.7	276.7					165.2	165.2	4.4	4.4					169.6		
-5	2020	R02	1.119	1.217	281.2	281.2					31.6	31.6	5.2	5.2					36.8		
-4	2021	R03	1.075	1.170	297.7	297.7					128.5	128.5	5.4	5.4					133.9		
-3	2022	R04	1.030	1.125	297.7	297.7					194.0	194.0	5.4	5.4					199.4		
-2	2023	R05	1.000	1.082	297.7	297.7					174.7	174.7	6.7	6.7					181.4		
-1	2024	R06	1.000	1.040	297.7	297.7					179.2	179.2	6.7	6.7					185.9		
0	2025	R07	1.000	1.000	297.7	297.7					129.3	129.3	6.7	6.7					136.0		
1	2026	R08	1.000	0.962	297.7	297.7					273.8	273.8	263.3	6.7	6.7				280.5	273.8	263.3
2	2027	R09	1.000	0.925	297.7	297.7					316.9	316.9	293.0	6.7	6.7				323.6	316.9	293.0
3	2028	R10	1.000	0.889	297.7	297.7					142.5	142.5	126.7	6.7	6.7				149.2	142.5	126.7
4	2029	R11	1.000	0.855	297.7	297.7					96.8	96.8	82.7	6.7	6.7				103.5	96.8	82.7
5	2030	R12	1.000	0.822	297.7	297.7					29.5	29.5	24.2	6.7	6.7				36.2	29.5	24.2
6	2031	R13	1.000	0.790	336.5	297.7	38.8	30.7			30.7	28.5	22.5	6.7	6.7				35.2	28.5	22.5
7	2032	R14	1.000	0.760	336.5	297.7	38.8	29.5			29.5	28.0	21.3	8.0	6.7	1.3	1.0		36.0	29.3	22.3
8	2033	R15	1.000	0.731	336.5	297.7	38.8	28.4			28.4	51.7	37.8	8.0	6.7	1.3	0.9		59.7	53.0	38.7
9	2034	R16	1.000	0.703	403.5	297.7	105.8	74.4			74.4			9.3	6.7	2.6	1.8		9.3	2.6	1.8
10	2035	R17	1.000	0.676	403.5	297.7	105.8	71.5			71.5			9.3	6.7	2.6	1.8		9.3	2.6	1.8
11	2036	R18	1.000	0.650	403.5	297.7	105.8	68.7			68.7			9.3	6.7	2.6	1.7		9.3	2.6	1.7
12	2037	R19	1.000	0.625	403.5	297.7	105.8	66.1			66.1			9.3	6.7	2.6	1.6		9.3	2.6	1.6
13	2038	R20	1.000	0.601	403.5	297.7	105.8	63.6			63.6			9.3	6.7	2.6	1.6		9.3	2.6	1.6
14	2039	R21	1.000	0.577	403.5	297.7	105.8	61.1			61.1			9.3	6.7	2.6	1.5		9.3	2.6	1.5
15	2040	R22	1.000	0.555	403.5	297.7	105.8	58.8			58.8			9.3	6.7	2.6	1.4		9.3	2.6	1.4
16	2041	R23	1.000	0.534	403.5	297.7	105.8	56.5			56.5			9.3	6.7	2.6	1.4		9.3	2.6	1.4
17	2042	R24	1.000	0.513	403.5	297.7	105.8	54.3			54.3			9.3	6.7	2.6	1.3		9.3	2.6	1.3
18	2043	R25	1.000	0.494	403.5	297.7	105.8	52.2			52.2			9.3	6.7	2.6	1.3		9.3	2.6	1.3
19	2044	R26	1.000	0.475	403.5	297.7	105.8	50.2			50.2			9.3	6.7	2.6	1.2		9.3	2.6	1.2
20	2045	R27	1.000	0.456	403.5	297.7	105.8	48.3			48.3			9.3	6.7	2.6	1.2		9.3	2.6	1.2
21	2046	R28	1.000	0.439	403.5	297.7	105.8	46.4			46.4			9.3	6.7	2.6	1.1		9.3	2.6	1.1
22	2047	R29	1.000	0.422	403.5	297.7	105.8	44.7			44.7			9.3	6.7	2.6	1.1		9.3	2.6	1.1
23	2048	R30	1.000	0.406	403.5	297.7	105.8	42.9			42.9			9.3	6.7	2.6	1.1		9.3	2.6	1.1
24	2049	R31	1.000	0.390	403.5	297.7	105.8	41.3			41.3			9.3	6.7	2.6	1.0		9.3	2.6	1.0
25	2050	R32	1.000	0.375	403.5	297.7	105.8	39.7			39.7			9.3	6.7	2.6	1.0		9.3	2.6	1.0
26	2051	R33	1.000	0.361	403.5	297.7	105.8	38.2			38.2			9.3	6.7	2.6	0.9		9.3	2.6	0.9
27	2052	R34	1.000	0.347	403.5	297.7	105.8	36.7			36.7			9.3	6.7	2.6	0.9		9.3	2.6	0.9
28	2053	R35	1.000	0.333	403.5	297.7	105.8	35.3			35.3			9.3	6.7	2.6	0.9		9.3	2.6	0.9
29	2054	R36	1.000	0.321	403.5	297.7	105.8	33.9			33.9			9.3	6.7	2.6	0.8		9.3	2.6	0.8
30	2055	R37	1.000	0.308	403.5	297.7	105.8	32.6			32.6			9.3	6.7	2.6	0.8		9.3	2.6	0.8
31	2056	R38	1.000	0.296	403.5	297.7	105.8	31.4	87.0	87.0	31.4			9.3	6.7	2.6	0.8		9.3	2.6	0.8
32	2057	R39	1.000	0.285	332.6	226.7	105.8	30.2			30.2			9.3	6.7	2.6	0.7		9.3	2.6	0.7
33	2058	R40	1.000	0.274	323.6	217.8	105.8	29.0			29.0			9.3	6.7	2.6	0.7		9.3	2.6	0.7
34	2059	R41	1.000	0.264	316.7	210.9	105.8	27.9			27.9			9.3	6.7	2.6	0.7		9.3	2.6	0.7
35	2060	R42	1.000	0.253	316.7	210.9	105.8	26.8			26.8			9.3	6.7	2.6	0.7		9.3	2.6	0.7
36	2061	R43	1.000	0.244	316.7	210.9	105.8	25.8			25.8			9.3	6.7	2.6	0.6		9.3	2.6	0.6
37	2062	R44	1.000	0.234	316.7	210.9	105.8	24.8			24.8			9.3	6.7	2.6	0.6		9.3	2.6	0.6
38	2063	R45	1.000	0.225	316.7	210.9	105.8	23.8			23.8			9.3	6.7	2.6	0.6		9.3	2.6	0.6
39	2064	R46	1.000	0.217	316.7	210.9	105.8	22.9			22.9			9.3	6.7	2.6	0.6		9.3	2.6	0.6
40	2065	R47	1.000	0.208	313.1	207.3	105.8	22.0	1.8	1.8	22.0			9.3	6.7	2.6	0.5		9.3	2.6	0.5
41	2066	R48	1.000	0.200	308.2	202.4	105.8	21.2			21.2			9.3	6.7	2.6	0.5		9.3	2.6	0.5
42	2067	R49	1.000	0.193	308.2	202.4	105.8	20.4			20.4			9.3	6.7	2.6	0.5		9.3	2.6	0.5
43	2068	R50	1.000	0.185	274.1	168.2	105.8	19.6	361.9	361.9	19.6			9.3	6.7	2.6	0.5		9.3	2.6	0.5
44	2069	R51	1.000	0.178	126.8	21.0	105.8	18.8			18.8			9.3	6.7	2.6	0.5		9.3	2.6	0.5
45	2070	R52	1.000	0.171	122.3	16.5	105.8	18.1			18.1			9.3	6.7	2.6	0.4		9.3	2.6	0.4
46	2071	R53	1.000	0.165	105.8		105.8	17.4			17.4			9.3	6.7	2.6	0.4		9.3	2.6	0.4
47	2072	R54	1.000	0.158	105.8		105.8	16.8			16.8			9.3	6.7	2.6	0.4		9.3	2.6	0.4
48	2073	R55	1.000	0.152	105.8		105.8	16.1			16.1			8.0	5.4	2.6	0.4		8.0	2.6	0.4
49	2074	R56	1.000	0.146	105.8		105.8	15.5			15.5			8.0	5.4	2.6	0.4		8.0	2.6	0.4
50	2075	R57	1.000	0.141	105.8		105.8														

【費用便益算定シート】  
 ・円山川総合水系環境整備事業（残事業）  
 ・感度分析：便益（+1.0%）

基準（評価）年度	2025(R07)
供用年度	2035(R17)
社会的割引率	4%

【単位：百万円】

年度	西暦	和暦	デューラ 換算係数	割引率	便益①		便益・B		計①+②	建設費③		費用・C		計③+④					
					便益 （費用）	便益の差 現在価値	美質価格 中止	残存価値② 現在価値		費用 （費用）	費用の差 現在価値	費用 （費用）	費用の差 現在価値	費用 美質価格	現在価値				
-22	2003	H15	1.365	2.370						211.4	211.4				211.4				
-21	2004	H16	1.360	2.279						517.5	517.5				517.5				
-20	2005	H17	1.353	2.181						60.2	60.2				60.2				
-19	2006	H18	1.348	2.107						365.0	365.0				365.0				
-18	2007	H19	1.317	2.026	78.0	78.0				91.4	91.4	1.7	1.7		93.1				
-17	2008	H20	1.279	1.948	87.9	87.9				210.8	210.8	1.7	1.7		212.5				
-16	2009	H21	1.320	1.873	95.4	95.4				305.2	305.2	1.8	1.8		307.0				
-15	2010	H22	1.319	1.801	95.4	95.4				169.0	169.0	2.1	2.1		171.1				
-14	2011	H23	1.287	1.732	95.4	95.4				228.6	228.6	2.2	2.2		230.8				
-13	2012	H24	1.291	1.665	95.4	95.4				213.8	213.8	2.3	2.3		216.1				
-12	2013	H25	1.264	1.601	95.4	95.4				211.4	211.4	2.5	2.5		213.9				
-11	2014	H26	1.224	1.539	95.4	95.4				222.2	222.2	2.6	2.6		224.8				
-10	2015	H27	1.220	1.480	99.4	99.4				223.2	223.2	2.8	2.8		226.0				
-9	2016	H28	1.213	1.423	104.8	104.8				467.2	467.2	2.9	2.9		470.1				
-8	2017	H29	1.186	1.369	104.8	104.8				217.4	217.4	4.4	4.4		221.8				
-7	2018	H30	1.146	1.316	142.4	142.4				272.1	272.1	4.4	4.4		276.5				
-6	2019	R01	1.120	1.265	304.3	304.3				165.2	165.2	4.4	4.4		169.6				
-5	2020	R02	1.119	1.217	309.3	309.3				31.6	31.6	5.2	5.2		36.8				
-4	2021	R03	1.079	1.170	327.4	327.4				128.5	128.5	5.4	5.4		133.9				
-3	2022	R04	1.030	1.125	327.4	327.4				194.0	194.0	5.4	5.4		199.4				
-2	2023	R05	1.000	1.082	327.4	327.4				174.7	174.7	6.7	6.7		181.4				
-1	2024	R06	1.000	1.040	327.4	327.4				179.2	179.2	6.7	6.7		185.9				
0	2025	R07	1.000	1.000	327.4	327.4				129.3	129.3	6.7	6.7		136.0				
1	2026	R08	1.000	0.962	327.4	327.4				232.9	232.9	224.0	6.7	6.7	239.6	232.9	224.0		
2	2027	R09	1.000	0.925	327.4	327.4				327.1	327.1	302.4	6.7	6.7	333.8	327.1	302.4		
3	2028	R10	1.000	0.889	327.4	327.4				123.1	123.1	109.4	6.7	6.7	129.8	123.1	109.4		
4	2029	R11	1.000	0.855	327.4	327.4				133.9	133.9	114.4	6.7	6.7	140.6	133.9	114.4		
5	2030	R12	1.000	0.822	327.4	327.4				26.2	26.2	21.5	6.7	6.7	32.9	26.2	21.5		
6	2031	R13	1.000	0.790	327.4	327.4				26.2	26.2	20.7	6.7	6.7	32.9	26.2	20.7		
7	2032	R14	1.000	0.760	327.4	327.4				24.9	24.9	18.9	8.0	6.7	1.3	0.9	32.9	26.2	19.9
8	2033	R15	1.000	0.731	370.1	327.4	42.7	31.2	31.2	24.9	24.9	18.2	8.0	6.7	1.3	0.9	32.9	26.2	19.1
9	2034	R16	1.000	0.703	370.1	327.4	42.7	30.0	30.0	48.6	48.6	34.1	8.0	6.7	1.3	0.9	56.6	49.9	35.0
10	2035	R17	1.000	0.676	443.8	327.4	116.4	78.6	78.6	75.6	75.6	2.6	1.7	9.3	2.6	1.7	9.3	2.6	1.7
12	2037	R19	1.000	0.625	443.8	327.4	116.4	72.7	72.7	72.7	72.7	2.6	1.6	9.3	2.6	1.6	9.3	2.6	1.6
13	2038	R20	1.000	0.601	443.8	327.4	116.4	69.9	69.9	69.9	69.9	2.6	1.6	9.3	2.6	1.6	9.3	2.6	1.6
14	2039	R21	1.000	0.577	443.8	327.4	116.4	67.2	67.2	67.2	67.2	2.6	1.5	9.3	2.6	1.5	9.3	2.6	1.5
15	2040	R22	1.000	0.555	443.8	327.4	116.4	64.6	64.6	64.6	64.6	2.6	1.4	9.3	2.6	1.4	9.3	2.6	1.4
16	2041	R23	1.000	0.534	443.8	327.4	116.4	62.1	62.1	62.1	62.1	2.6	1.4	9.3	2.6	1.4	9.3	2.6	1.4
17	2042	R24	1.000	0.513	443.8	327.4	116.4	59.8	59.8	59.8	59.8	2.6	1.3	9.3	2.6	1.3	9.3	2.6	1.3
18	2043	R25	1.000	0.494	443.8	327.4	116.4	57.5	57.5	57.5	57.5	2.6	1.3	9.3	2.6	1.3	9.3	2.6	1.3
19	2044	R26	1.000	0.475	443.8	327.4	116.4	55.2	55.2	55.2	55.2	2.6	1.2	9.3	2.6	1.2	9.3	2.6	1.2
20	2045	R27	1.000	0.456	443.8	327.4	116.4	53.1	53.1	53.1	53.1	2.6	1.2	9.3	2.6	1.2	9.3	2.6	1.2
21	2046	R28	1.000	0.439	443.8	327.4	116.4	51.1	51.1	51.1	51.1	2.6	1.1	9.3	2.6	1.1	9.3	2.6	1.1
22	2047	R29	1.000	0.422	443.8	327.4	116.4	49.1	49.1	49.1	49.1	2.6	1.1	9.3	2.6	1.1	9.3	2.6	1.1
23	2048	R30	1.000	0.406	443.8	327.4	116.4	47.2	47.2	47.2	47.2	2.6	1.1	9.3	2.6	1.1	9.3	2.6	1.1
24	2049	R31	1.000	0.390	443.8	327.4	116.4	45.4	45.4	45.4	45.4	2.6	1.0	9.3	2.6	1.0	9.3	2.6	1.0
25	2050	R32	1.000	0.375	443.8	327.4	116.4	43.7	43.7	43.7	43.7	2.6	1.0	9.3	2.6	1.0	9.3	2.6	1.0
26	2051	R33	1.000	0.361	443.8	327.4	116.4	42.0	42.0	42.0	42.0	2.6	0.9	9.3	2.6	0.9	9.3	2.6	0.9
27	2052	R34	1.000	0.347	443.8	327.4	116.4	40.4	40.4	40.4	40.4	2.6	0.9	9.3	2.6	0.9	9.3	2.6	0.9
28	2053	R35	1.000	0.333	443.8	327.4	116.4	38.8	38.8	38.8	38.8	2.6	0.9	9.3	2.6	0.9	9.3	2.6	0.9
29	2054	R36	1.000	0.321	443.8	327.4	116.4	37.3	37.3	37.3	37.3	2.6	0.8	9.3	2.6	0.8	9.3	2.6	0.8
30	2055	R37	1.000	0.308	443.8	327.4	116.4	35.9	35.9	35.9	35.9	2.6	0.8	9.3	2.6	0.8	9.3	2.6	0.8
31	2056	R38	1.000	0.296	443.8	327.4	116.4	34.5	34.5	34.5	34.5	2.6	0.8	9.3	2.6	0.8	9.3	2.6	0.8
32	2057	R39	1.000	0.285	385.8	249.4	116.4	33.2	33.2	33.2	33.2	2.6	0.7	9.3	2.6	0.7	9.3	2.6	0.7
33	2058	R40	1.000	0.274	355.9	239.5	116.4	31.9	31.9	31.9	31.9	2.6	0.7	9.3	2.6	0.7	9.3	2.6	0.7
34	2059	R41	1.000	0.264	348.4	232.0	116.4	30.7	30.7	30.7	30.7	2.6	0.7	9.3	2.6	0.7	9.3	2.6	0.7
35	2060	R42	1.000	0.253	348.4	232.0	116.4	29.5	29.5	29.5	29.5	2.6	0.7	9.3	2.6	0.7	9.3	2.6	0.7
36	2061	R43	1.000	0.244	348.4	232.0	116.4	28.4	28.4	28.4	28.4	2.6	0.6	9.3	2.6	0.6	9.3	2.6	0.6
37	2062	R44	1.000	0.234	348.4	232.0	116.4	27.3	27.3	27.3	27.3	2.6	0.6	9.3	2.6	0.6	9.3	2.6	0.6
38	2063	R45	1.000	0.225	348.4	232.0	116.4	26.2	26.2	26.2	26.2	2.6	0.6	9.3	2.6	0.6	9.3	2.6	0.6
39	2064	R46	1.000	0.217	348.4	232.0	116.4	25.2	25.2	25.2	25.2	2.6	0.6	9.3	2.6	0.6	9.3	2.6	0.6
40	2065	R47	1.000	0.208	344.4	228.0	116.4	24.2	24.2	24.2	24.2	2.6	0.5	9.3	2.6	0.5	9.3	2.6	0.5
41	2066	R48	1.000	0.200	339.0	222.6	116.4	23.3	23.3	23.3	23.3	2.6	0.5	9.3	2.6	0.5	9.3	2.6	0.5
42	2067	R49	1.000	0.193	339.0	222.6	116.4	22.4	22.4	22.4	22.4	2.6	0.5	9.3	2.6	0.5	9.3	2.6	0.5
43	2068	R50	1.000	0.185	301.4	185.0	116.4	21.6	21.6	21.6	21.6	2.6	0.5	9.3	2.6	0.5	9.3	2.6	0.5
44	2069	R51	1.000	0.178	139.5	23.1	116.4	20.7	20.7	20.7	20.7	2.6	0.5	9.3	2.6	0.5	9.3	2.6	0.5
45	2070	R52	1.000	0.171	134.5	18.1	116.4	19.9	19.9	19.9	19.9	2.6	0.4	9.3	2.6	0.4	9.3	2.6	0.4
46	2071	R53	1.000	0.165	116.4		116.4	19.2	19.2	19.2	19.2	2.6	0.4	9.3	2.6	0.4	9.3	2.6	0.4
47	2072	R54	1.000	0.158	116.4		116.4	18.4	18.4	18.4	18.4	2.6	0.4	9.3	2.6	0.4	9.3	2.6	0.4
48	2073	R55	1.000	0.152	116.4		116.4	17.7	17.7	17.7	17.7	2.6	0.4	8.0	2.6	0.4	8.0	2.6	0.4
49	2074	R56	1.000	0.146	116.4		116.4	17.0	17.0	17.0	17.0	2.6	0.4	8.0	2.6	0.4	8.0	2.6	0.4
50	2075	R57	1.000	0.141	116.4		116.4	16.4	16.4	16.4	16.4	2.6	0.4	8.0	2.6	0.4	8.0	2.6	0.4
51	2076	R58	1.000	0.135	116.4		116.4	15.7	15.7	15.7	15.7	2.6	0.4	8.0	2.6	0.4	8.0	2.6	0.4
52	2077	R59	1.000	0.130	116.4		116.4	15.1	15.1	15.1	15.1	2.6	0.3	8.0	2.6	0.3	8.0	2.6	0.3
53	2078	R60	1.000	0.125	116.4														

