

Title 19

WATER RIGHTS

Chapters:

- 19.04 Water Rights.**
- 19.06 Irrigation.**

Chapter 19.04

WATER RIGHTS

Sections:

- 19.04.010** Definitions.
- 19.04.015** Water bank.
- 19.04.016** Water bank agreement.
- 19.04.017** Acquiring water bank credit.
- 19.04.018** Value of water bank credit.
- 19.04.020** Water rights required for development.
- 19.04.021** Exceptions to water rights requirements.
- 19.04.022** Calculation of water previously furnished to the city.
- 19.04.023** Water rights for service outside the city limits.
- 19.04.040** Satisfying water rights requirements.
- 19.04.041** Cash-in-lieu price.
- 19.04.045** Native raw water storage fee.
- 19.04.050** Escrow of water rights or cash in lieu of water rights.
- 19.04.070** Water rights appurtenant to land.
- 19.04.080** Requirements for acceptance of ditch water.
- 19.04.085** Other water rights.
- 19.04.090** Vested rights concerning water rights owed.

Revisions to the Code are formatted as follows:

- Proposed text is indicated in **red, underlined font**
- Text proposed to be deleted is indicated in **red, strike-through font**

Yellow highlighted text indicates adjustments made following the September 22nd Planning Commission study session. Adjustments include the following:

1. Adjustments made in response to Planning Commission directive.

19.04.010 Definitions.

- A. As used in this ~~E~~chapter 19.04, all words and phrases shall be interpreted and defined in accordance with ~~the provisions set forth in this Section 19.04.010 and in S~~ection 16.08.010 and subsection B of this section. In the event of a conflict, subsection B. of this section shall control.
- B. As used in this ~~E~~chapter 19.04, ~~unless the context requires otherwise, the term~~ “Department” means the city of Loveland department of water and power. “Director” means the director of the city of Loveland department of water and power or his designee.
“w~~W~~ater right” shall include, without limitation, units in the Colorado-Big Thompson ~~P~~roject, notwithstanding the fact that each unit does not represent an ownership in the Colorado-Big Thompson ~~P~~roject, but rather represents a contractual right to use a proportionate share of the water allocated to the Northern Colorado Water Conservancy District under the 1938 Repayment Contract between the United States Bureau of Reclamation and the Northern Colorado Water Conservancy District.

19.04.015 Water bank.

The city has established a water bank for the purpose of facilitating transfers of water rights to the city in satisfaction of the city’s water rights requirements. In exchange for the transfer of water rights to the city in accordance with ~~S~~ection 19.04.017A.1., the city shall issue water bank credit in the city’s water bank in the form of a holding receipt for use in accordance with the terms and conditions set forth in the water bank agreement, the holding receipt, and this ~~E~~chapter 19.04. Water bank credit, as represented by the holding receipt, may be transferred, in whole or part, to a third party upon the third party’s execution of an assumption of obligations agreement in a form acceptable to the city attorney. Any water bank credit transferred on or after April 1, 2002 in violation of this ~~S~~ection 19.04.015 shall be deemed void.

19.04.016 Water bank agreement.

The Loveland utilities commission, in consultation with the city attorney, shall approve the form of the water bank agreement.

19.04.017 Acquiring water bank credit.

- A. Credit in the city’s water bank may be acquired by either of the following methods:
 1. By transferring to the city, by good and sufficient conveyance, grant, assignment, or decree, ownership of water rights acceptable to the city. Applications to transfer water rights to the city shall be filed with the ~~Department of W~~ater and ~~P~~ower department. The applicant shall pay all expenses incurred in order to transfer ownership of the water rights to the city, unless otherwise agreed between the city and the applicant. In exchange for such transfer, the applicant shall receive credit in the city’s water bank. Ownership of the water rights must be fully vested in the city, and all other applicable requirements set forth in this ~~E~~chapter 19.04 must be satisfied, before water bank credit will be issued.
 2. By acquiring credit in the city’s water bank from a water bank account holder. Upon an applicant’s request, the city shall make available a list of water bank account holders who have informed the city that they are willing to sell water bank credit.

The purchase price of such water bank credit shall be determined by the parties without further involvement of the city.

B. Credit in the city's water bank may not be acquired from the city by cash purchase on or after January 1, 2006.

19.04.018 Value of water bank credit.

A. The value of water bank credit received in exchange for water rights transferred to the city shall be determined at the time such water bank credit is applied to satisfy the city's water rights requirements.

B. The current value of ditch water rights shall be as follows:

Ditch/Ditch Company	Value	
	With Payment of the Native Raw Water Storage Fee	Without Payment of the Native Raw Water Storage Fee
Barnes	3.32 acre-feet of water per inch	0.86 acre-feet of water per inch
Big Thompson Ditch & Manufacturing Company	186.57 acre-feet of water per share	70.90 acre-feet of water per share
Buckingham Irrigation Company (George Rist Ditch)	6.36 acre-feet of water per share	0.38 acre-feet of water per share
Chubbuck Ditch	2.94 acre-feet of water per inch	0.41 acre-feet of water per inch
Louden Irrigating Canal and Reservoir Company	12.17 acre-feet of water per share	2.43 acre-feet of water per share
South Side Ditch Company	4.55 acre-feet of water per share	1.46 acre-feet of water per share

The values set forth in the table above represent the historical average yield of each ditch as stated in Spronk Water Engineers' ~~R~~aw ~~W~~ater ~~S~~upply ~~Y~~ield ~~A~~nalysis ~~U~~update dated January 2012. These values are subject to change at any time by ordinance of ~~city~~ council. The value of water bank credit received in exchange for transferring to the city ditch water rights not set forth in the table above shall be determined by ~~city~~ council by resolution on a case-by-case basis at the time such water bank credit is applied to satisfy the city's water rights requirements. The native raw water storage fee applicable to each ditch or ditch company is set forth in ~~S~~ection 19.04.045.

C. The current value of Colorado-Big Thompson ~~P~~roject units shall be one ~~(1)~~ acre-foot per unit.

19.04.020 Water rights required for development.

A. Residential development.

- Land zoned R1e, R1, R2, R3e, or R3 after June 5, 1984 and developed for residential uses and land zoned PUD, MAC, or E and developed for residential uses shall not receive final approval for development, nor shall construction or development be allowed on any such land, nor shall water

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

service be furnished to any such land, until the city has received by grant or transfer the perpetual right to use the total amount of divertible water rights, in acre feet of water, as determined by the following formula:

$$\text{Total water rights due (in acre-feet)} = (1.6 \times \text{net lot acreage}) + (1.4 \times \text{acreage of that portion of each residential lot which is greater than 15,000 square feet}) + (0.23 \times \text{number of dwelling units})$$

Water rights required under this subsection A. shall be paid prior to approval of the final plat by the director of development services. Notwithstanding anything herein to the contrary, water rights required under this subsection A. may not be paid prior to acceptance of a complete application for final plat by the director of development services.

2. The applicant shall have a credit toward the requirements set forth in this subsection A. for water rights previously furnished in conjunction with annexation or zoning.

B. Nonresidential development.

1. Any lot or tract zoned PUD, MAC, or E, if the developed use will be non-residential, and any lot or tract zoned Be, B, I, or PP shall not be entitled to receive water service or a building permit ~~or a type 1 zoning permit~~ for any construction on the lot or tract until the city has received by a good and sufficient conveyance, grant, assignment, or decree the perpetual right to use the acre feet of water required by the following schedule:

Water Meter Size	Acre-feet Required
3/4"	1
1"	4
1 1/2"	8
2"	13
3"	26
4"	40
6"	80
8"	128
10"	184
12"	273

Notwithstanding anything herein to the contrary, water rights required under this subsection B. may not be paid prior to the building official's acceptance of a complete application for building permit ~~or type 1 zoning permit, as applicable~~.

2. The applicant shall have a credit toward the requirements set forth in the schedule for water rights previously furnished in conjunction with annexation or zoning.
3. Where property has been subdivided at or after the time of the furnishing of water rights, the water rights furnished shall be prorated among the parcels of the subdivision based upon the respective land areas. Water rights furnished to fulfill the requirements of this subsection B. in connection with other water meters previously granted on the same tract or larger tract, as the case may be, shall not be prorated.

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

4. Whenever a nonresidential water meter is abandoned or reduced in size, a credit shall be established in the city's water bank for the difference between the required water rights for the existing water meter and the required water rights for the new water meter, if any. Said credit shall be eligible for use only to fulfill water rights requirements arising on the property served by the original water meter, unless otherwise approved by ~~the city~~ council. Any unused credit remaining after ten years from the date the credit is created shall be canceled, and the owner thereof shall have no further claim to said credit. Upon application to ~~the city~~ council made prior to the expiration date, ~~the city~~ council may, for good cause shown, extend the expiration date as it sees fit.

C. Mixed-use buildings. Water rights applicable to mixed-use buildings shall be paid prior to issuance of the building permit ~~or a type 1 zoning permit~~. For the purposes of this subsection C., "mixed-use buildings" shall mean those buildings containing both residential and nonresidential uses. Notwithstanding anything herein to the contrary, water rights required under this subsection C. may not be paid prior to the building official's acceptance of a complete application for building permit ~~or type 1 zoning permit, as applicable~~.

D. Dedicated irrigation meters. Water rights applicable to dedicated irrigation meters are set forth in ~~E~~chapter 19.06.

E. Transfers required by this ~~S~~ection ~~19.04.020~~ and ~~E~~chapter 19.06 are summarized in the following table:

Use	Final Plat	Building Permit or Type 1 Zoning Permit	Meter Activation
R1e, R1, R2, R3e, R3, Residential development within a PUD, MAC, or E	Total water rights as determined by 19.04.020A. Credit given for water rights paid at annexation or zoning.	None.	None.
Be, B, I, PP Nonresidential development within a PUD, MAC, or E	None.	Total water rights as determined by 19.04.020B. Credit given for water rights paid at annexation or zoning.	None.
Mixed-use buildings	None.	Total water rights as determined by 19.04.020A. and B.	None.
Dedicated irrigation meters	None.	None.	Total water rights as determined by E chapter 19.06.

19.04.021 Exceptions to water rights requirements.

A. Certain conditions may warrant exceptions to the water rights requirements set forth in ~~Sections 19.04.020A. and B~~sections 19.04.020A. Such exceptions may be allowed at the discretion of city staff for the following reasons:

1. Water rights will not be required for areas which are legally served by other domestic water sources or water providers.
2. Water rights requirements may be waived or modified by development~~or~~ special agreements as approved by ~~the Loveland city~~ council when deemed in the best interest of the city.
3. Subdivisions which include both an area where (i) water rights were furnished previously in conjunction with prior city annexation and zoning requirements, or where the property is subject to the provisions described in ~~Section 19.04.022~~section 19.04.022, and (ii) an area where the current water rights requirements apply, pursuant to ~~Sections 19.04.020A. or 19.04.020B.~~sections 19.04.020A. or B., shall be given a credit of two or three acre-feet per acre, as appropriate, on the area subject to prior city annexation or zoning requirements to apply toward the current requirement for the entire area being platted. For this calculation, the applicant shall furnish, with the application, the area of the proposed subdivision which was subject to prior city annexation and zoning requirements. If the credit is larger than the total quantity needed under the current requirements for the requested approval, the requirement shall be deemed to have been met for the entire platted area, and no further credit shall exist.
4. For any land designated as an outlot in an approved final development plan of a ~~PUD~~planned unit development, water rights shall not be required for that outlot so long as the outlot is approved for a use that will not require connection to the city's potable water distribution system. In the event, however, that the outlot is duly approved by the city for a use that will require connection to the city's potable water distribution system or the outlot is redesignated, in accordance with the city code, as a lot or tract, the water rights requirements of ~~Section 19.04.020A.~~section 19.04.020A. and B. and ~~19.04.020B.~~19.04.020B. if applicable to the outlot, lot, or tract must be satisfied prior to such approval or redesignation.

B. If, at any time, city water service is requested for all or any portion of such land which has been exempted in part or in whole from water rights requirements in this ~~S~~section 19.04.021, the applicant for city water service shall transfer to the city water rights in an amount equal to that which would be required, at the time such service is requested, in connection with annexation, zoning, and development or issuance of a building permit ~~or a type 1 zoning permit~~ for a parcel of land of the same size for which water service is sought.

19.04.022 Calculation of water previously furnished to the city.

A. The following rules shall be applied to determine the amount of raw water previously furnished in conjunction with prior city annexation and zoning requirements. In such areas, the requirements of ~~Sections 19.04.020A. and 19.04.020B.~~sections 19.04.020A. and B., above, shall not apply, except as provided in this ~~S~~section.

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

1. All land annexed to the city between December 5, 1978, and November 1, 1982, except such land as was zoned DR developing resource district on November 1, 1982, shall be deemed to have furnished to the city three acre-feet of water per acre, unless the utility commission determines otherwise based upon competent evidence. No additional water rights will be required, nor any excess credit given except as provided in ~~Section 19.04.021A.(5)~~Section 19.04.021A.5.
2. All land annexed to the city prior to December 5, 1978, except land zoned DR, developing resource district on that date, shall be deemed to have furnished to the city two acre feet of water per acre, unless the utility commission determines otherwise, based upon competent evidence. No additional water rights will be required, nor any excess credit given except as provided in ~~Section 19.04.021A.(5)~~Section 19.04.021A.5.
3. All land annexed to the city and zoned R1e, R1, R2, R3e, or R3 between November 1, 1982 and June 5, 1984, shall be deemed to have furnished to the city three acre feet of water per acre, unless the utility commission determines otherwise, based upon competent evidence. No additional water rights will be required, nor any excess credit given except as provided in Section 19.04.021A.(5).
4. All land zoned Be, B or I after November 1, 1982 or zoned R1e, R1, R2, R3e or R3 after June 5, 1984 but not yet included in a final subdivision plat or final development plan, shall be deemed to have furnished to the city one acre-foot of water per acre unless the utility commission determines otherwise, based upon competent evidence.
5. All land zoned R1e, R1, R2, R3e, or R3 and platted between June 5, 1984 and October 5, 1998, shall be deemed to have furnished to the city water rights as calculated by the following formula unless the utility commission determines otherwise, based upon competent evidence.

Total acre-feet required = $(1.54 \times \text{net acres}) + (0.154 \times \# \text{ dwelling units})$.

All land zoned R1e, R1, R2, R3e, R3, or PUD with residential uses and platted between October 5, 1998 and November 16, 1999, shall be deemed to have furnished to the city water rights are calculated by the following formula unless the utility commission determines otherwise, based upon competent evidence.

Total acre-feet required = $(1.54 \times \text{net acres}) + (0.154 \times \# \text{ dwelling units}) + (2.0 \times \text{greenbelt areas})$.

All land with a tap dedicated to irrigation purposes only with Be, B, I or PUD with commercial or industrial use zoning between October 5, 1998 and November 16, 1999, and not subject to the provisions of ~~paragraphs-section~~ 19.04.022A.1. or 2. above, shall be deemed to have furnished to the city two acre-feet of water per acre unless the utility commission determines otherwise, based upon competent evidence.

19.04.023 Water rights for service outside the city limits.

- A. Water rights are required for outside city water service. For nonresidential uses, the quantity of water rights required shall be determined in accordance with ~~S~~Section 19.04.020B. (calculated in the same manner as if the property to be served were located inside the city). For residential uses, the quantity of water rights required shall be determined as the lesser of the quantity specified in ~~S~~Section 19.04.020B., or ~~S~~Section

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

19.04.020A. (calculated in the same manner as if the property to be served were located inside the city). For irrigation use only, the quantity of water rights required shall be determined in accordance with ~~S~~ection 19.06.040B. or ~~S~~ection 19.050.050, as applicable, (calculated in the same manner as if the property to be served were located inside the city).

B. Water rights required for outside city water service shall be due at the time of application for outside city water service. Any outside city customer who has received a city water meter prior to December 1, 2012 but has not paid water rights to the city shall be required to provide water rights to the city upon the earlier of the following to occur to the property receiving city water service: (i) annexation; (ii) subdivision; (iii) “redevelopment,” as defined in the ~~City of Loveland S~~ite ~~D~~evelopment ~~P~~erformance ~~S~~tandards and ~~G~~uidelines; (iv) change in meter classification (residential, nonresidential, or irrigation) (v) change in meter size; or (vi) installation of additional meters. Notwithstanding anything herein to the contrary, water rights shall not be due upon any of the following to occur to the property receiving city water service: (i) minor changes to the property that do not rise to the level of “redevelopment,” such as roof replacements, or basement finishes that do not increase the gross floor area of a building or structure by at least twenty-five percent over the gross floor area existing as of February 1, 1988; (ii) the addition of outbuildings that do not require a change in meter size or additional meters; or (iii) the addition of a fire hydrant.

19.04.040 Satisfying water rights requirements.

To satisfy the city’s water rights requirements, the applicant must apply water bank credit in an amount sufficient to satisfy the city’s water rights requirements. A minimum of fifty percent (~~50%~~) of every transaction to satisfy such requirement must include water bank credits received in exchange for Colorado-Big Thompson ~~P~~roject units transferred to the city or water bank credits acquired from the ~~E~~city by cash purchase, or by paying the cash-in-lieu price (“50% Rule”). If the acre-feet requirement resulting from the 50% Rule results in a fractional requirement of less than 0.50 acre-feet, it may be rounded down to the nearest acre-foot.

19.04.041 Cash-in-lieu price.

The cash-in-lieu price shall be equal to the market price of one (~~1~~) Colorado-Big Thompson ~~P~~roject unit as recognized by resolution of the Loveland utilities commission, divided by the yield (in acre-feet) of one (~~1~~) Colorado-Big Thompson ~~U~~nit as set forth in ~~S~~ection 19.04.018-B~~2~~, with the resulting quotient multiplied by 1.05. Said fee shall be calculated in accordance with the resolution in effect at the time such payment is due.

19.04.045 Native raw water storage fee.

A. When credit in the city’s water bank received in exchange for the transfer of ditch water rights to the city is applied to satisfy the city’s water rights requirements, it shall be subject to the native raw water storage fee unless exempted under subsection B. or C. below. Said fee shall be calculated and due at the time such water bank credit is applied to satisfy the city’s water rights requirements as provided in ~~S~~ections 13.04.245-C~~2~~ and 19.04.020. The current native raw water storage fee applicable to each ditch or ditch company shall be as follows:

Ditch / Ditch Company	Native Raw Water Storage Fee Per Acre-Foot
Barnes Ditch	\$5,750
Big Thompson Ditch & Manufacturing Company	\$3,530
Buckingham Irrigation Company (George Rist Ditch)	\$7,400
Chubbuck Ditch	\$7,400
Louden Irrigating Canal and Reservoir Company	\$6,850
South Side Ditch Company	\$6,770

The native raw water storage fees set forth in the table above are taken from the ~~city's 2012 Raw Water Master Plan~~^{SC1}, adopted by city council by resolution on June 5, 2012. These values are subject to change at any time by ordinance of city council. The native raw water storage fee applicable to water bank credit received in exchange for transferring to the city ditch water rights not set forth in the table above shall be determined by city council by resolution on a case-by-case basis at the time such water bank credit is applied to satisfy the city's water rights requirements. The native raw water storage fee shall not apply to water bank credits received in exchange for the transfer of Colorado-Big Thompson Project units to the city or water bank credits acquired from the city by cash payment or to payments of the cash-in-lieu price.

- B. When credit in the city's water bank received in exchange for the transfer of ditch water rights to the city on or before July 20, 1995 is applied to satisfy the city's water rights requirements, it shall not be subject to the native raw water storage fee, notwithstanding the provisions of subsection A. above.
- C. When water bank credit is applied to satisfy the city's water rights requirements, the person applying the credit may choose not to pay the native raw water storage fee set forth above, in which case the value of the credit shall be decreased in accordance with the table set forth in subsection B. of ~~S~~ection 19.04.018.

19.04.050 Escrow of water rights or cash in lieu of water rights.

- A. If requested by the developer of the land for which water rights are owed, the water rights or cash in lieu of water rights may be conveyed into an escrow held by the city clerk to be released to the city upon approval of the final plat for residential development or upon issuance of the building permit ~~or a type 1 zoning permit~~ for non-residential development, and if the final plat or building permit ~~or type 1 zoning permit~~ is denied to be returned to the developer upon such denial. The escrow shall be governed by the terms of an escrow agreement between the city and the developer. In the event the developer has requested an escrow of all or any portion of a cash in lieu of water rights payment for residential development, the escrow agreement shall provide that the cash in lieu payment will be held in escrow for a period not to exceed forty-five days following city council approval to the final plat.

B. Where the cash in lieu payment is subject to an escrow agreement, the final plat approval shall be expressly conditioned upon payment of the fee within the forty-five-day period following final plat approval. In the event the cash in lieu payment is not paid within said forty-five-day period, the final plat approval shall be void and of no force or effect. During the forty-five-day period prior to receipt of the cash in lieu payment, the final plat shall not be recorded with the Larimer County clerk and recorder ~~of Larimer County~~.

19.04.070 Water rights appurtenant to land.

At the time land is annexed to the city or application for final development is made to the city, the owner shall, by a good and sufficient conveyance, grant, assignment, or decree, transfer to the city all water rights appurtenant to the land being annexed; provided, however, that in no event shall the owner be required to transfer water rights in excess of the water rights requirements imposed upon annexation and development; and provided further, that acceptability of specific water rights shall be subject to ~~city~~ council approval.

19.04.080 Requirements for acceptance of ditch water.

A. Applications to transfer ditch water rights to the city shall be filed with the ~~Department of Water and Power~~ Department. No ditch water rights shall be accepted by the city unless first approved by the Loveland utilities commission. Said approval shall not be given without satisfaction of each of the following requirements:

1. Evidence of the applicant's ownership of the ditch water rights in a form satisfactory to the city attorney;
2. A water bank agreement executed by the applicant and, if applicable, other documentation, such as a statement of historical use and dry-up covenant, in a form approved by the city attorney; and
3. A finding by the Loveland utilities commission that it is in the city's best interests to accept the ditch water rights.

B. The Loveland utilities commission may place conditions or restrictions on the city's acceptance of the ditch water rights or the applicant's use of the corresponding water bank credit as necessary to protect the city's interests. Applicants who do not wish to transfer their ditch water rights to the city subject to such conditions or restrictions may withdraw their application prior to execution of the water bank agreement by the city.

C. As used herein, "ditch water rights" shall refer to and mean water rights from the following ditches or ditch companies, commonly referred to as: Barnes Ditch; Big Thompson Ditch & Manufacturing Company; Buckingham Irrigation Company (George Rist Ditch); Chubbuck Ditch; Louden Irrigating Canal and Reservoir Company; and South Side Ditch Company.

19.04.085 Other water rights.

The city may accept water rights other than Colorado-Big Thompson ~~P~~roject units and those ditch water rights listed in ~~S~~ection 19.04.080C. upon such terms and conditions as are approved by ~~city~~ council by resolution.

19.04.090 Vested rights concerning water rights owed.

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

The water rights owed by an applicant for a development for which the applicant has obtained and possesses a vested right to undertake and compete the development pursuant to C.R.S. 24-68-101 et seq. Article 68 of Title 24, Colorado Revised Statutes as amended and, as implemented by Chapter 18.72 of the Loveland Municipal Code, shall be calculated in accordance with the water rights provisions in effect on the date applicant's right to develop was vested in accordance with Chapter 18.72.

Chapter 19.06

IRRIGATION

Sections:

- 19.06.010 Definitions.**
- 19.06.020 Irrigation with non-city water.**
- 19.06.030 Irrigation with raw water.**
- 19.06.040 Irrigation with treated city water.**
- 19.06.050 Irrigation subject to water budget.**
- 19.06.060 Dedicated irrigation meter capacity.**
- 19.06.065 Irrigation booster pumps prohibited.**
- 19.06.070 Water rights due prior to activation of dedicated irrigation meter.**

19.06.010 Definitions.

A. As used in this chapter, all words and phrases shall be interpreted and defined in accordance with section 16.08.010 and subsection B of this section. In the event of a conflict, subsection B. of this section shall control.

B. As used in this chapter:

As used in this Chapter 19.06, the following words and phrases shall have the meanings set forth below:

“Dedicated irrigation meter” ~~shall~~ means a meter installed for the sole purpose of providing water for irrigation. For the purposes of ~~S~~ection 19.06.050, the phrase “dedicated irrigation meter” shall mean a single dedicated irrigation meters or sets of interconnected dedicated irrigation meters.

“Hydrozone” ~~shall~~ means a portion of the landscaped area having plants with similar water needs. Typical plant lists for each hydrozone are set forth in the ~~SDPSG~~site development performance standards and guidelines at Appendix A. The city recognizes four hydrozones: high water need; moderate water need; low water need; and very low water need (no irrigation required).

~~“Site Development Performance Standards and Guidelines” or “SDPSG” shall mean those standards and guidelines adopted by the city council, as amended from time to time.~~

“Water budget” ~~shall~~ means the maximum amount of water an irrigator is allotted per year to irrigate a specific landscaped area through a dedicated irrigation meter or set of interconnected dedicated irrigation meters.

19.06.020 Irrigation with non-city water.

Areas to be irrigated with water from other municipal or quasi-municipal sources shall not require the payment of any water rights to the city.

19.06.030 Irrigation with raw water.

- A. Areas to be irrigated with raw water, including well water, shall not require the payment of any water rights to the city, provided all of the following conditions are met:
 1. The owner provides written documentation in the form of water court decrees or water shares evidencing the fact that there are adequate water rights to serve the

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

proposed irrigation system, and in the event a homeowners association is to be responsible for the maintenance of the areas to be irrigated with raw water, evidence that the homeowners association has or will have the right to use the water for such purposes.

2. The owner applies to, and obtains approval from, the director of the water and power department or the director's designee for the use of raw water irrigation.
3. The city receives documentation, verified by a professional engineer, certifying that the irrigation system has been designed to prevent the possibility of connection of such system to the city's treated water system.
4. The following statement appears on the plat of the area to be irrigated with raw water, or if the plan for such irrigation is not presented in conjunction with a plat, the following statement is included in a recorded instrument with a surveyed legal description of the area to be irrigated:

"A portion of the land area depicted on this plat or legally described in this instrument is approved by the City of Loveland for irrigation using raw water from private sources. The Loveland Municipal Code contains requirements regulating the irrigation of such area(s) and prohibits the use of treated, potable city water being used for such irrigation. The City's permission to irrigate with raw water does not constitute any assurance by the City that there is either adequate raw water or adequate water rights available to the land to properly irrigate such area(s) or that the raw water irrigation system has been adequately designed to properly irrigate such area(s). The City has no obligation to provide any water to irrigate such area(s)."
5. The irrigated area is conspicuously posted with signs stating that raw water is being used for irrigation. Such signs and their locations shall be subject to the approval of the director of water and power or the director's designee, and no sign permits shall be required for the same.

- B. If, at any time, treated city water service is requested for all or any portion of an area formerly irrigated with raw water for which water rights have not been paid, the applicant for such service shall transfer to the city water rights in an amount equal to the water rights requirement in existence at the time of such application.
- C. If the owner of an area irrigated with treated city water desires to convert to raw water irrigation, the owner may apply to do so upon the same terms and conditions as set forth in this section. The owner shall file a recorded instrument or correction plat with the notation set forth in ~~Section 19.06.030A.4~~Section 19.06.030A.4. The owner shall be granted a credit in the city's water bank for water previously transferred for such area. Said credit shall be described in acre-feet of water. Storage fees applicable to said credit shall be considered paid in full. In addition, the owner may request a return of system impact fees in accordance with ~~S~~Section 13.04.032.

19.06.040 Irrigation with treated city water.

- A. Areas to be irrigated with treated city water by use of a residential or nonresidential meter shall be required to provide water rights as set forth in ~~S~~Section 19.04.020.

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

B. Except as provided in ~~S~~ection 19.06.050, areas to be irrigated with treated city water by use of a dedicated irrigation meter shall be required to provide three acre-feet of water for each acre of irrigated area.

19.06.050 Irrigation subject to water budget.

- A. The purpose of this program is to protect the city's water resources by encouraging the design, installation, and maintenance of water-efficient landscapes in which plantings are grouped by hydrozone and are subject to a water budget. For information regarding water-efficient landscape requirements, see ~~S~~ection 4.10 of the ~~SDPSG~~site development performance standards and guidelines.
- B. Participation in the program is voluntary. Irrigators must meet the requirements of ~~S~~ection 4.10 of the ~~SDPSG~~site development performance standards and guidelines and demonstrate a twenty-five percent reduction in water use from traditional bluegrass landscapes as set forth in subsection D.1. below. Irrigators who do so shall be entitled to a reduced water rights requirement as set forth in subsection C. below and may incur lower system impact fees resulting from reduced meter sizes necessary to irrigate their landscapes.
- C. Areas to be irrigated with treated city water by use of a dedicated irrigation meter subject to a water budget shall be required to provide the following water rights, which are calculated based on the maximum gallons per square foot per year required by each hydrozone:

Hydrozone	Maximum Gallons Used Per Square Foot Per Year	Acre-feet of Water Due Per Acre
High water need	20	3
Moderate water need	10	1.5
Low water need	3	.5
Very low water need	0	0

D. Water budget.

1. The city will calculate the water budget based on the maximum gallons used per square foot per year by each applicable hydrozone irrigated through a dedicated irrigation meter in accordance with the table set forth in subsection C. If the calculation does not demonstrate a twenty-five percent reduction in water use from traditional bluegrass landscapes (*i.e., a maximum of 15 gallons per square foot or less per year, instead of a maximum of 20 gallons per square foot per year, through a dedicated irrigation meter*), the irrigator may not participate in the program and must pay the water rights set forth in ~~S~~ection 19.06.040.
2. Failure to meet established water budget.
 - a. Irrigators who exceed their established water budget shall pay the following surcharge:

Water Consumed	Surcharge
0% to 100% of annual budget	No surcharge
101% to 150% of annual budget	1 x base irrigation rate

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

151% to 200% of annual budget	2 x base irrigation rate
201% + of annual budget	4 x base irrigation rate

b. Irrigators who exceed their established water budget in three consecutive years shall be required to provide water rights according to the following formula: (water rights required pursuant to Section 19.06.040) – (water rights previously paid using the water budget calculation set forth in 19.06.050) Water rights due pursuant to this section shall be paid within sixty days of the date of invoice. Any unpaid amounts may be subject to lien in accordance with Section 13.04.290 or collected in any other manner permitted by law.

c. The city recognizes that new landscapes require more water until established. Therefore, irrigators of new landscapes shall not be subject to the surcharge set forth in subsection 2.a., nor shall such irrigation count toward the three years provided for in subsection 2.b., for the then-current calendar year (if meter activation is before August 1) or the then-current calendar year plus the next calendar year (if meter activation is on or after August 1). For the purposes of this section, “calendar year” shall mean January 1 through December 31.

E. Irrigators who choose to redesign their landscapes to meet the requirements of this section and Section 4.10 of the SDPSCsite development performance standards and guidelines shall be entitled to the following credit and refund:

1. Credit in the city’s water bank equal to the difference between the water rights paid and the water rights due under subsection D. Said credit shall be described in acre-feet of water. Storage fees applicable to said credit shall be considered paid in full.
2. Refund of system impact fees as set forth in Section 13.04.033.

19.06.060 Dedicated irrigation meter capacity.

A. Irrigation systems utilizing dedicated irrigation meters shall be designed based on the available flow through the meter at the project site, but shall not exceed the flows set forth in the following table:

Meter Size	Maximum Continuous Design Flow (If Available)
¾ inch	15 gallons per minute
1 inch	25 gallons per minute

For meters larger than ¾ inch, the irrigation system designer shall be responsible for verifying minimum system pressures occurring seasonally and throughout the day (especially during peak demand periods).

19.06.065 Irrigation booster pumps prohibited.

The installation or operation of an irrigation booster pump in water service lines that are directly fed by the city’s water distribution system is prohibited. Notwithstanding anything herein to the contrary, any such irrigation booster pumps installed prior to June 5, 2012 may continue in operation without violating this section, but may not be replaced.

TITLE 19 AMENDMENTS FOR 11-24-2014 PLANNING COMMISSION HEARING

19.06.070 Water rights due prior to activation of dedicated irrigation meter.

Water rights required for dedicated irrigation meters shall be due prior to activation of the meter, or first meter if in a set of interconnected meters, but may not be paid prior to approval of the final plat by the director of development services.