



WATER CONSERVATION IMPLEMENTATION GRANT APPLICATION

**Colorado Water Conservation Board
Attn: Ben Wade
1313 Sherman Street, Room 721
Denver, CO 80203**

**September 4, 2014
Resubmitted January 15, 2015**

**Submitted by:
City of Lafayette
Public Works Department
1290 S. Public Rd
Lafayette, CO 80026**



COLORADO WATER CONSERVATION BOARD WATER CONSERVATION IMPLEMENTATION GRANT APPLICATION

PROJECT: CITY OF LAFAYETTE WATER CONSERVATION PLAN IMPLEMENTATION

1. Introduction and Eligibility

Over the years, the City of Lafayette has quietly become a sustainability leader in Boulder County by working diligently to conserve water; reduce waste at City and community events; increase recycling and composting; reduce air pollutants and greenhouse gas emissions; all in effort to reduce its overall carbon footprint.

Water Conservation is a top priority and the City provides a variety of programs including: residential and commercial Slow the Flow indoor water audits and outdoor irrigation audits; Garden-in-a-Box xeriscape planting program; Water-Wise landscaping seminars; residential and commercial toilet rebates; “Rinse and Save” program which replaced pre-rinse spray valves at local restaurants with the assistance of CWCB grant monies; and membership and participation with EPA WaterSense and locally the ‘Keep It Clean’ partnership. As of November 2013, Lafayette enacted a permanent water conservation ordinance which encourages residents to water outdoor landscaping during optimal times only and bring awareness to overwatering.

Lafayette has stepped up its renewable energy efforts by adding solar power to the roofs of the police station, the public library and recreation center. Combined with a solar garden at the wastewater treatment plant and another garden at City Hall, the City has installed 500 kilowatts of electric solar power capacity.

In addition to its solar sites, Lafayette captures methane gas at its wastewater treatment plant, generating heat for a portion of the wastewater treatment process. The city harnesses wind energy from a wind turbine installation at the public library.

The City has two strong citizen advisory committees that lead initiatives within the community. The Waste Reduction Advisory Committee leads the Zero Waste initiatives during the City’s annual Peach Festival, which attracts 20,000 visitors and achieves a 90% or higher diversion rate. Additionally the Oatmeal Festival, which pulls in 3,500 visitors, enjoys a 98% waste reduction rate. The City also has Zero Waste stations and initiatives at City Hall.

The Lafayette Energy Sustainability Advisory Committee helped fund the City’s first electric vehicle charging station located at the public library and an employee electric bike sharing program; created a Green Business Award program; funds a mini-grant program to educational organizations; developed an Energy Corner at the library for residents to learn more about alternative energy options; and helps promote and educate the citizens during local events.

Lafayette residents can properly recycle and dispose of their household hazardous waste by taking it to the Boulder County Hazardous Materials Management Facility. After Senate Bill 12-133 took effect on July 1, 2013 prohibiting disposal of electronic devices into landfills, Lafayette holds two annual Electronic Recycle Days for residents to dispose of their e-waste through Metech Recycling, a certified e-Stewards recycler. Lafayette offers residents several free organics’ collection programs and the support of an organic farm and a weekly Farmers’ Market top out the green efforts of the City.

The City of Lafayette is an award-winning community that supports and maintains sustainability practices. Lafayette envisions its efforts and focus to continue expanding in the sustainability arena and this funding opportunity aligns with Lafayette’s vision. The City of Lafayette is seeking a Water Efficiency Grant from the Colorado Water Conservation Board (CWCB) to fund a project that will increase water conservation by replacing the fixtures in the City Hall facility with more efficient ones.

2. List of City of Lafayette Work Group Members Involved in the Grant Project

Douglas Short, Public Works Director

City of Lafayette
1290 South Public Road
Lafayette, CO 80026
303.661-1282
douglass@cityoflafayette.com

Douglas Short serves as the Public Works Director and will oversee project completion. He administers and manages the City’s water supply, treatment and distribution systems, including water conservation; street improvements and

maintenance, engineering, traffic control, fleet maintenance; trash/recycling/Zero Waste services; stormwater drainage systems and the wastewater collection and treatment systems.

Jenny Conlon, Administrative Assistant

City of Lafayette
1290 South Public Road
Lafayette, CO 80026
303.661-1273
jennyc@cityoflafayette.com

Jenny Conlon serves as the Administrative Assistant for the Public Works Department for the City of Lafayette and will provide support through her knowledge of the City's existing water conservation measures. She will act as the City's project manager of the City Hall Fixture Replacement Program and will monitor the success and water savings of the project.

Curt Cheesman, Facility Management Director

City of Lafayette
1290 South Public Road
Lafayette, CO 80026
303-665-5588 x1461
curtc@cityoflafayette.com

Curt Cheesman, Director of Facility Management will coordinate staff-involvement to oversee project contractors. He will also be responsible for administrative duties such as contracts and financial payments.

George McSparren, Facility Maintenance Worker

City of Lafayette
1290 South Public Road
Lafayette, CO 80026
303-665-5588 x1457
georgem@cityoflafayette.com

George McSparren has been in the maintenance and construction industry for 35 years and employed with the City of Lafayette for six years. He will be working as a general contractor on this project.

Total Plumbing, Inc.

4701 North Colorado Boulevard
Denver, CO 80216
303-393-7271
<http://www.totalplbg.com/>

Total Plumbing, Inc. has been serving the Denver Metro Area since 1980 and their passion is going the extra mile to take care of their customers, no matter what size or type of customer they are. It is their goal to provide the very best product and service to their existing and future customers. They will be responsible for moving the existing urinal drains from the floor to the wall on this project.

George T. Sanders Company

437 South Arthur Avenue
Louisville, CO 80027
303-926-8870
<http://www.gtsanders.com/>

The George T. Sanders Company is in the plumbing and heating supply business. Their primary customers are plumbing, heating, and mechanical contractors. The geographic territory they presently cover includes the major population centers in the state of Colorado, Casper and Cody Wyoming. Although they are a small and closely held company, the George T. Sanders Company is a member of the Affiliated Distributors (A-D) group of companies. A-D is a buying cooperative and is also an excellent resource for technical, business, and other issues which are of common concern to other companies like the George T. Sanders Company around the United States. The George T. Sanders Company will be supplying the new water-efficient fixtures for this replacement project.

Niagara Conservation
 4200 Diplomacy Road
 Fort Worth, TX 76155
 1-800-831-8383 – Vincent Addona x241
<http://www.amconservationgroup.com>

With a 33-year history of quality, Niagara Conservation Corporation has earned its reputation as the premier resource for water and energy conservation products engineered to maximize efficiency while still maintaining optimal performance. Niagara’s commitment to conservation and quality extends to its vast product line, including: the revolutionary Stealth® UHET 0.8 GPF toilet, Niagara Flapperless™ EcoLogic toilets and a complete line of toilet systems and programs.

3. a) Identification of retail water delivery by covered entity for past five years:

The City of Lafayette’s water comes entirely from surface sources. The City of Lafayette receives snowmelt runoff from South Boulder Creek, Boulder Creek and Coal Creek. This water flows into the Baseline, Waneka and the Goose Haven Reservoir Complex via nine ditches: Coal Ridge, Davidson, Dry Creek-2, Dry Creek Carrier, Enterprise, Goodhue, Leyner-Cottonwood, Lower Boulder, and South Boulder & Bear Creek.

Also, Colorado-Big Thompson (CBT) water can be delivered to Lafayette from Granby Reservoir through the Northern Colorado Water Conservancy District storage and conveyance system to the Goose Haven Reservoir Complex.

b) Background characterizing the local water system, potential growth and any other pertinent issues.

i) Current and past per capita water use for the last five years.

Table 1 – Past Five Years Water Use by Customer Category (acre-feet)						
Category	2008	2009	2010	2011	2012	2013
Residential						
In-City	2,129.0	1,923.5	1,945.2	2,016.5	2,304.1	1,899.6
Out-of-City	159.7	131.8	145.9	150.8	175.1	142.5
Multifamily						
In-City	617.6	595.8	612.2	563.0	649.3	595.6
Out-of-City	0.3	0.4	0.4	0.4	0.5	0.5
Commercial						
In-City	473.8	408.8	407.7	443.4	525.3	436.6
Out-of-City	7.9	11.3	10.4	10.1	11.3	4.4
Irrigation						
Commercial & Industrial	512.6	335.6	454.3	507.4	624.3	471.4
City Parks	48.9	28.2	24.4	43.9	16.6	16.1
Industrial	36.9	26.8	21.3	19.0	26.6	50.6
Special Ind.	96.9	97.3	100.5	95.7	111.8	91.9
Baseline WD	37.0	44.2	44.1	49.3	49.1	43.7
East Boulder County WD	55.8	45.9	54.1	57.9	64.0	58.5
TOTAL USE	4,176.4	3,649.6	3,820.4	3,957.4	4,558.0	3,811.4
Population	24,140	24,407	24,453	25,242	26,136	26,629
GPCPD*	145	125	130	130	145	119
Residential GPCPD**	102	92	93	91	101	84
*In-City only						
**Includes only In-City SF & MF						

ii) Population for the past five years, current year and 10-year population projection.

The City of Lafayette will experience slow growth within the next few decades because of growth restrictions currently in place. Developers are required to dedicate water rights to the City based on predetermined projected uses as described in its Municipal Code, Section 120, Article IV.

iii)

Table 2 – City of Lafayette Population		
Year	Population	% Population Growth
2008	24,140	
2009	24,407	1.11%
2010	24,453	0.19%
2011	25,242	3.23%
2012	26,136	3.54%
2013	26,381	0.94%
2014	26,626	0.93%
2015	26,871	0.92%
2016	27,116	0.91%
2017	27,361	0.90%
2018	27,606	0.90%
2019	27,851	0.89%
2020	28,096	0.88%
2021	28,341	0.87%
2022	28,586	0.86%
2023	28,831	0.86%

iv) **Estimated water savings goals achieved through implementation of the Plan in acre-feet and as a percentage.**

The City has not analyzed its entire water savings since 2009. In 2016 the City will revise its Water Conservation Plan and will include all conservation efforts made since 2009.

The total estimated annual water conservation savings goal from the City Hall Fixture Replacement program supported by this proposed grant from the CWCB is 0.24 acre-feet.

The calculation is based on these assumptions:

Toilets: Retrofitting 9 – 3.5gpf toilets to 0.8gpf we will have a savings of 2.7gpf. Assuming 20 female employees use the toilet 3.5 times a day x 260 work days would generate 49,140 gallons and 16 male employees use the toilet 1 time a day x 260 work days would generate 11,232 gallons for a total of 60,372 annual saving in gallons.

Urinals: Retrofitting 2 – 1.0gpf urinals with 0.5gpf we will have a savings of 0.5gpf. Assuming 16 male employees use the urinal 3 times a day x 260 work days would generate an annual savings of 6,240 gallons.

Faucets: Retrofitting 9 bathroom and 3 kitchen faucets which are 1.0gpm with 0.5gpm we will have a savings of 0.5gpm. Assuming 36 employees use the faucet after bathroom use 7.5 times a day x 0.349 minutes per day would generate an annual savings of 12,220 gallons.

Therefore, the estimated total annual water saving from the three retrofits is 78,832 gallons = 0.24 acre-feet and 68% of water saving from the current usage of 115,180 annual gallons used.

v) **Estimates of water savings realized in the past five years through the City of Lafayette’s water conservation efforts.**

The City of Lafayette has implemented many residential water conservation programs that have resulted in a water savings of 18.73 acre-feet. However, it is likely that this value is higher in reality due to the fact that we are unable to calculate annual water savings that occur for the following water conservation efforts: water audits, Garden-in-a-Box xeriscape gardens, seminars, and water conservation direct mailers to every household.

The City used the following calculations in order to generate the water savings realized in the past eight years: 333,840 gallons and 452,269 gallons were saved through the City’s toilet rebate program in 2012 and 2013, respectively. 5,317,320 gallons of water were saved through the CRC’s Slow the Flow outdoor residential program from 2006 to present and the CRC’s Slow the Flow residential indoor program from 2010 to present for a total of 6,103,429 gallons of water saved. Due to variables in reporting, we were not able to get CRC to breakdown their savings statistics for Lafayette for the past five years; however, we were satisfied with the number they provided for the last eight years.

$$6,103,429/325,851 = 18.73 \text{ acre-feet}$$

vi) **Adequacy, stability, and reliability of the City of Lafayette's water system.**

The City of Lafayette has worked diligently to establish a varied and secure portfolio of water rights and a reliable water supply system. In addition, our citizens have consistently shown interest in protecting and conserving its valuable water resources.

Since the droughts of 1976 and 2002, the City aggressively pursued water rights acquisition to ensure that even during times of drought, our customers can be assured of adequate water supplies to meet basic needs. The City has controlling shares of Baseline Reservoir and the City joined the Northern Colorado Water Conservancy District and added raw and potable water storage facilities. The City is actively involved in the Northern Integrated Supply Project (NISP) and the Windy Gap Firming (WGFP). The 75th Street Pipeline, begun prior to the 2002 drought, provides a delivery system for the City's Boulder Creek water rights, as well as water delivered from the Colorado-Big Thompson project.

Any new development with a projected total annual water use of five acre-feet or more is required to dedicate units of Colorado-Big Thompson water to the City. Future capital improvements and future raw water supply planned for will provide the reliability needed to meet ultimate build out of Lafayette.

The City of Lafayette proactively works to address the uncertainty in water supply through several planning efforts through involvement in the NISP and WGFP projects and its water conservation efforts targeting residents, businesses and organizations.

c) **Indicate how the Grant Program monies will be used to address the entity's stated water saving goals.**

The City of Lafayette's primary goal as indicated in its 2009 Water Conservation Plan is to reduce total water use by 287.1 acre feet by 2016 through a combination of various demand-side measures.

One of the programs identified in the plan as a beneficial, long-term water conservation program is the replacement of fixtures throughout the City Hall Facility, specifically toilets, urinals and water faucets. The City of Lafayette is requesting funds for the City Hall Fixture Replacement program that will save 0.24 acre-feet.

The table below shows the breakdown of the estimated water savings City Hall would benefit by replacing outdated fixtures with more water efficient fixtures.

Estimated Water Savings - Toilet, Urinal & Faucet Retrofit @ Lafayette City Hall

TOILETS								
	Uses/day	# Employees	Current GPF	Current Use in Gallons	Retrofit GPF	Retrofit Use in Gallons	Daily Savings in Gallons	Annual Savings in Gallons
Men	1	16	3.5	56	0.8	12.8		
Women	3.5	20	3.5	245	0.8	56.0		
				301		69	232	60,372
URINALS								
	Uses/day	# Employees	Current GPF	Current Use in Gallons	Retrofit GPF	Retrofit Use in Gallons	Daily Savings in Gallons	Annual Savings in Gallons
Men	3	16	1	48	0.5	24	24	6,240
FAUCETS								
	Number of Faucets	Rated Flow (gpm)	Estimated Use in Minutes (1)	Daily Use in Gallons				Annual Savings in Gallons
Current	6	1.0	94	94				
Retrofit	6	0.5	94	47				
Savings				47				12,220

(1) Uses per day of both toilets and urinals times the number of employees using each toilet & urinal times 10 seconds per use.

Assume 260 work days a year

Faucet Use Time (In Seconds) = 10

	Gallons	Acre-Feet
Total Annual Water Savings:	78,832	0.24

d) Indicate how the activities will be monitored to estimate actual water savings during Project implementation.

The City project manager is responsible for managing the projects, monitoring savings, and reporting to CWCB on progress at 50% completion, 75% completion and a final report at the end of the grant period. See chart for tracking mechanisms.

Table 3 – Summary of Monitoring and Verification Activities for Tracking Water Savings			
Program	Tracking Methods and Metrics		
City Hall fixture replacement program	Number of toilets and faucets replaced, and water audits performed	Number of employees trained on water savings	Water use comparison of before and after install

4. a) Groups included within the Education and Outreach Efforts.

The City of Lafayette will educate staff employees of the new water saving fixtures. We will inform the public of these new water saving fixtures by posting informational flyers in the bathrooms as well as posting through the City website and social media.

b) Specific Goals, Outcomes and ties to CWCB Goals

The City of Lafayette has targeted the residential sector for many years in regards to water conservation education and programs. We feel we have developed strong programs to educate and motivate our residential water customers to save water and resources. We have Municipal Codes in place to ensure water conservation for new development as well as a Water Conservation Ordinance for irrigation use.

Two years ago we began targeting residential homes older than 1994 by offering a toilet rebate program. Through the toilet rebate program, residents were able to switch out their 3.5gpf toilet or higher for a 1.28gpf toilet. The program consists of receiving an \$80 credit to their utility bill and the inefficient toilets are recycled by the City of Lafayette. As of 2012 to date, Lafayette resident changed out 135 toilets that were 3.5gpf or higher to 1.28gpf toilets resulting in a water savings of 786,109 gallons.

Based on feedback from the toilet program, we would like to expand the program to the rest of the City. Starting 2015, with assistance from CRC we will be offering a rebate for residents to change out their toilet to the new Niagara Stealth 0.8gpf toilet. This new program will be more inclusive because there will be no criteria on the gpf of the old toilet.

We would like to use this opportunity as a “show and tell” for the public to “test” out the new 0.8gpf toilets. As a municipality, we think it is important to take the lead in using water efficient fixtures and becoming a role model of water conservation.

c) Specific activities funded by grant monies.

See 5. Project Scope of work below.

5. Project Scope

The City of Lafayette is seeking a Water Conservation Implementation Grant from the Colorado Water Conservation Board to implement a portion of the approved 2009 Water Conservation Master Plan which defines water conservation measures and programs that will promote and support efficient water use by the City’s residential, commercial, industrial and institutional customers. The approved Plan, which identifies the various stages of comprehensive water conservation extending for the next ten years, has been prepared in adherence with the prevailing state statutory requirements.

This program as identified in section 4b will address the CWCB goals of promoting the benefits of water resource conservation.

The **first task** in this program will be for Jenny Conlon of the City of Lafayette to order the new faucets, toilets, and urinals from vendors. **See Attachment A & B for quotes and specifications on all new fixtures to be installed.**

The **second task** is the responsibility of Total Plumbing, Inc. where they will be moving the urinal drains from the floor to the wall so that the new urinals can be wall-mounted. **See Attachment C for quote.**

The **third task** is the responsibility of George McSparren of the City of Lafayette to replace all old and existing fixtures in the City Hall facility with new water efficient fixtures.

The **fourth task** includes the reporting of the program progress to the CWCB. The City of Lafayette will be submitting reports at the halfway-mark (50%), when the program is 75% complete and when the program is 100% complete.

We have identified a solid planning and implementation timeline.

Table 5 – City Hall Fixture Replacement Program Timeline			
	Responsible Party	Start Date	Completion Date
Task 1: Order materials	Jenny Conlon City of Lafayette	April 8, 2015	April 13, 2015
Task 2: Move urinal drains from floor to wall	Total Plumbing, Inc	April 20, 2015	May 1, 2015
Task 3: Remove old fixtures	George McSparren City of Lafayette	April 20, 2015	May 8, 2015
Task 4: Install new fixtures	George McSparren City of Lafayette	April 20, 2015	May 8, 2015
Task 5: Reporting			
50% Report	Jenny Conlon City of Lafayette		April 24, 2015
75% Report	Jenny Conlon City of Lafayette		May 18, 2015
Final Report	Jenny Conlon City of Lafayette		January 31, 2016

6. Budget Narrative & Detailed Use of Funds

Table 6 - Summarizes the total project budget, grant request and matching/in-kind contributions				
Description: (Quantities/unit prices/vendors)	Responsibility	CWCB Grant Request	City of Lafayette Cash Match	Total Project Budget
Task 1: Order materials from The George T. Sanders Company				
(6) Lavatory Faucets @ \$94 each	City of Lafayette	\$423.00	\$141.00	\$ 564.00
(9) Niagara Stealth Toilets @ \$155 each	City of Lafayette	\$1,046.25	\$348.75	\$1,395.00
(2) Washbrook Flowise Urinals @ \$163.06 each	City of Lafayette	\$244.59	\$81.53	\$ 326.12
(2) Manual Flush Valves @ \$106.33 each	City of Lafayette	\$159.50	\$53.16	\$ 212.66
TOTAL		\$1,873.34	\$ 624.44	\$2,497.78
Task 2: Move urinal drains from floor to wall				
Move urinal drains from floor to wall	Total Plumbing	\$3,346.50	\$1,115.50	\$4,462.00
Task 3: Remove old fixtures				
Quantitative analysis	City of Lafayette			\$0.00
Task 4: Install new fixtures				
Install new fixtures	City of Lafayette	\$0.00	\$0.00	\$0.00
	Total Program	\$5,219.84	\$1,739.94	\$6,959.78
		75%	25%	100%

City personnel do not account for their time per program. Therefore, in-kind labor is not listed above.

City staff will be responsible for program evaluation, monitoring and 50%, 75% and Final Reporting to CWCB.

7. Authorization to Commit Resources

The City of Lafayette submits this grant application to the Colorado Water Conservation Board for state funding assistance for the water conservation programs outlined in this proposal. I certify that the City of Lafayette has the financial and staff capacity to execute its share of the water efficiency implementation grant.



Doug Short, City of Lafayette Public Works Director

3/05/2015

Date



Quote QTE000037958
Date November 14, 2014
Page 1 of 1
Entered By vaddona
Freight FULL FREIGHT ALLOWED

BILL TO:
NIAGARA CONSERVATION
UNITED STATES

SHIP TO:
CITY OF LAFAYETTE
JENNY CONLON
1290 S Public Rd
Lafayette, CO 80026-2706
UNITED STATES

PO Number	Customer ID	Shipping Method	Sales Rep	Payment Terms	Master No.
	999999	02BWAY	VA	CC	10115355

Quantity	Item #	Description	Location	Unit	Unit Price	Ext Price
9	N7714	0 .8 GPF STEALTH DELUXE TANK, WHITE	DALLAS	EA	\$77.50	\$697.50
9	N7717	0.8 GPF STEALTH ELONGATED BOWL, WHITE	DALLAS	EA	\$77.50	\$697.50
9	N2192H	WAX RING WITH SLEEVE	DALLAS	EA	\$0.00	\$0.00
9	C2228RTS-WHT	ELONGATED PLASTIC SEAT, WHITE	DALLAS	EA	\$0.00	\$0.00

Subtotal	\$1,395.00
Misc	\$0.00
Tax	\$0.00
Freight	\$0.00
Trade Discount	\$0.00
Total	\$1,395.00

4200 Diplomacy Road, Fort Worth, TX 76155
 1.800.831.8383 1.817.391.0800 1.817.391.0801(f)
 WWW.NCCGREEN.COM

QUOTE VALID FOR NINETY (90) DAYS UNLESS SPECIFIED

vaddona

11/14/2014 09:34 AM



November 17, 2014
Proposal BK-23283.14

Proposal Submitted To:

City of Lafayette
1290 South Public Road
Lafayette, CO 80026

Work to be Performed At:

Same

Phone: 303-834-5258
E-Mail: georgem@cityoflafayette.com

Attn: Mr. George McSparren

We are pleased to submit our price for the aforementioned project, subject to the following exclusions and specifications:

Price Includes:

1. Urinal Replacement
 - a. Remove and dispose of (2) existing floor mounted urinals.
 - b. (1) Urinal is located on the main floor and the other is located on the 2nd floor.
 - c. Route drain piping to allow for new wall mounted urinals to be installed.
 - d. Concrete removal and replacement is included.
 - e. Test and inspect piping.
2. (1) Year parts and labor warranty.

Price: \$4,462.00

(Continued on Page 2)

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Proposal CT-23283.14

Note: 1.) Price will be honored for 90 days.
2.) Price is predicated on our insurance coverage
with limits of liability as follows:
General Liability \$2,000,000.00
Auto & Collision: \$1,000,000.00

Price Excludes:

- ✓ Overtime. Unless stated above.
- ✓ Any additional work, other than stated above.
- ✓ Condition of existing lines.
- ✓ Previous service calls.
- ✓ Damage to walls, ceilings or floors.
- ✓ Tile work.
- ✓ Drywall replacement.
- ✓ Supplying and installing the new urinals and flush valves.
- ✓ Water piping.

Any alteration or deviation from above specifications involving costs will become an extra charge over and above the estimate, this includes verbal instructions. All agreements are contingent upon strikes, accidents or delays beyond our control.

Note: Terms: Net 30 days. The customer agrees to pay all invoices within 30 days from the date of the invoice and to pay interest of 1 ½% per month, which is an annual percentage rate of 18% on all overdue balances. Customer shall also pay all costs of collection including, but not limited to, Attorney's fees and court costs.
Any item not addressed in this proposal will be handled as a change-order to contract.

Accepted By: _____ **Date:** _____

Thank you for the opportunity to submit our bid on this project, and if you should have any questions, please do not hesitate to give me a call.

Best regards,



Bob Kinning
Service Supervisor

If the proposal price meets with your approval, simply sign this page and fax back to us for scheduling.



GEORGE T. SANDERS *Company*

10201 W. 49th Ave.
Wheat Ridge, CO 80033
(303) 423-9660
1 (800) 284-0400
FAX (303) 940-5291

QUOTE ACKNOWLEDGEMENT

CUSTOMER #: 7154

BILL TO: CITY OF LAFAYETTE
P O BOX 250

LAFAYETTE, CO 80026

SHIP TO: (E) CITY OF LAFAYETTE
1290 S. PUBLIC ROAD
JENNY 303-661-1273
LAFAYETTE, CO 80026

SERVICING LOCATION	ACK. DATE	EXP. DATE
LOUISVILLE #9 GEORGE T. SANDERS COMPANY 437 SOUTH ARTHUR AVENUE LOUISVILLE, CO 80027 (303)926-8870	11/06/14	12/06/14
	QUOTE #	P.O. #
	13280792-00	JENNY
	WRITER	SALESMAN
	BBLA	HOU
REFERENCE	SHIP VIA	
	Our Truck	

LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QUANTITY B.O.	QUANTITY SHIPPED	UOM	UNIT PRICE	EXTENDED PRICE
1	AS6590001020	2			ea	163.06	326.12
	WASHBROOK FLOWISE URINAL 0.125-1.0 GPF WHITE						
6	6045.051.002	2			each	106.33	212.66
	MAN. FLUSH VLV						
7	DE501LFHDF	9			each	78.30	704.70
	LAV FAUCET 1 LEVER HANDLE VANDAL PROOF CP						
8	RP71111	9			each	15.70	141.30
	0.5GPM CHRM AERATOR						
4	Lines Total	Qty Shipped Total		22		Total Invoice Total	1384.78 1384.78

Last Page

This quotation is based on our interpretation of materials required, which should be equivalent to but may not exactly equal the specific items on this quote. Unless otherwise stated on this form, this quote shall expire 30 days from the acknowledgement date.

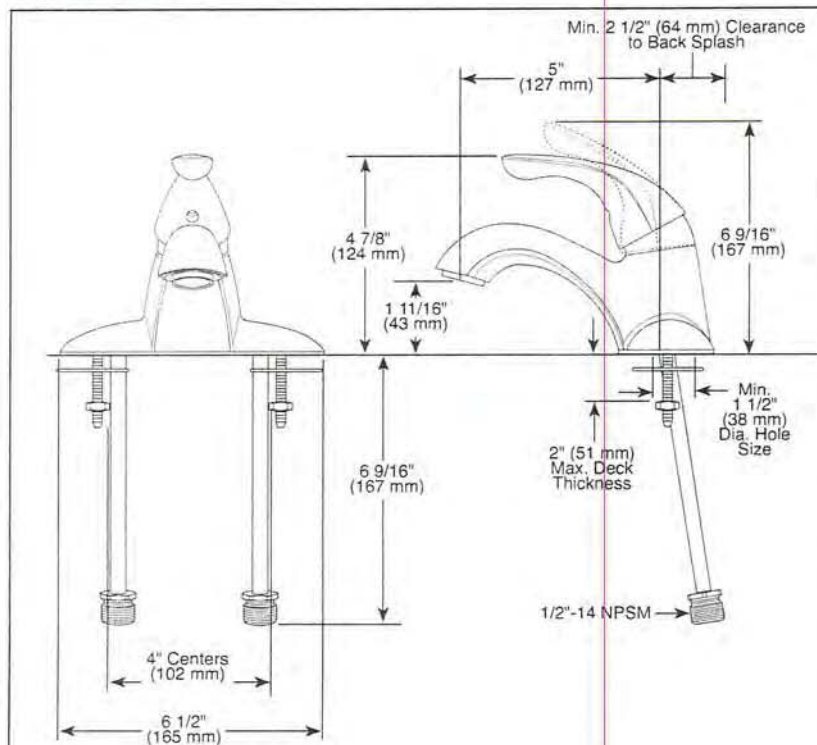
Accepted By:

Date:

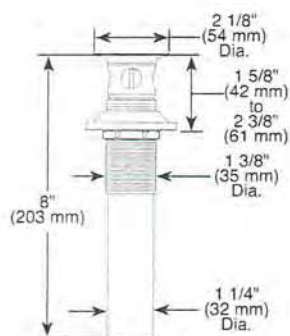


Submitted Model No.:

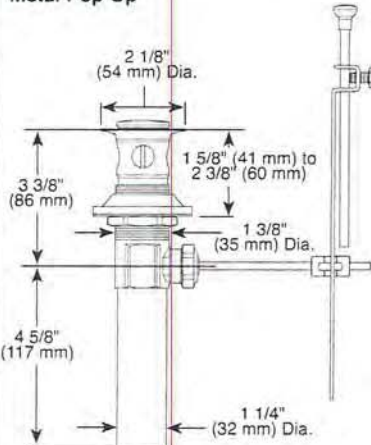
Specific Features:



Metal Grid Strainer



Metal Pop-Up



DELTA COMMERCIAL LAVATORY FAUCETS

- Single Handle
- 2 and 3 Hole Sink Applications
- 4" (102 mm) Centerset

STANDARD SPECIFICATIONS:

- Single handle lavatory deck faucets (for exposed mounting on two and three hole sinks).
- 4" (102 mm) centerset.
- Solid brass fabricated body.
- 5" (127 mm) spout.
- Vandal resistant lever handle. Red/blue colored graphics indicate hot/cold temperature.
- Control mechanism is the diamond embedded ceramic disc cartridge.
- Control handle shall return to the neutral position when valve is turned off.
- Adjustable handle limit stop.
- 3/8" O.D. copper supply tubes with 1/2"-14 NPSM adapters.
- Models have 1/4" threaded mounting studs.
- Available options for field conversion:
 - 6" (152 mm) long elbow handle-red/blue colored graphics indicate hot/cold temperature. Order RPS4687.
- Vandal resistant aerator or spray outlet.
- Metal grid strainer (523).
- Metal pop-up drain (520).
- Lift rod hole (520).
- Maximum 1.5 gpm @ 60 psi, 5.7 L/min @ 414 kPa.
HGM (models only) max. 0.5 gpm @ 60 psi, 1.9 L/min @ 414 kPa.
TGM (models only) max. 0.35 gpm @ 60 psi, 1.3 L/min @ 414 kPa.

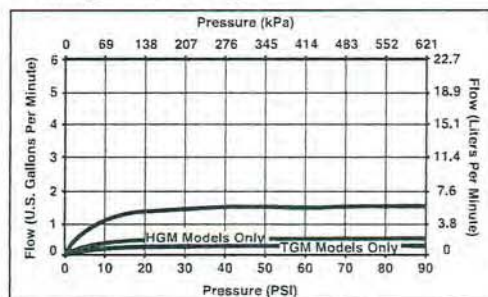
WARRANTY

- Lifetime Faucet and Finish Limited Warranty to the original consumer purchaser to be free from defects in material and workmanship.
- 5 Year Limited Warranty for usage in all industrial, commercial and business applications.



COMPLIES WITH:

- ASME A112.18.1 / CSA B125.1
- ASME A112.18.2 / CSA B125.2
- Indicates compliance to ICC/ANSI A117.1
- EPA WaterSense® ◆=Only models as indicated
- Verified compliant with .25% weighted average Pb content regulations.



DELTA
FAUCET COMPANY

55 E. 11th Street, Indianapolis, Indiana 46280
350 South Edgeware Road, St. Thomas, ON N5P 4L1
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Delta reserves the right (1) to make changes in specifications and materials, and (2) to change or discontinue models, both without notice or obligation. Dimensions are for reference only. See current full-line price book or www.specselect.com for finish options and product availability.

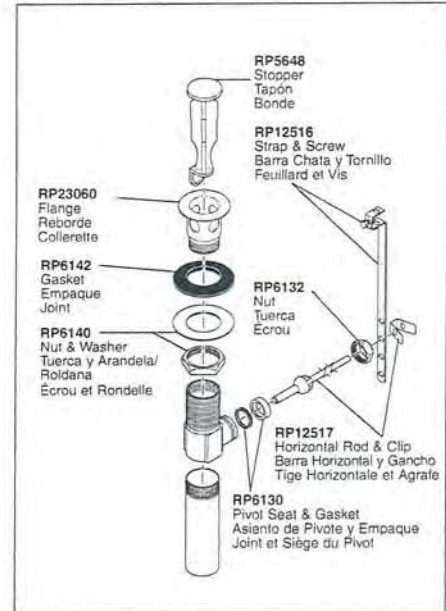
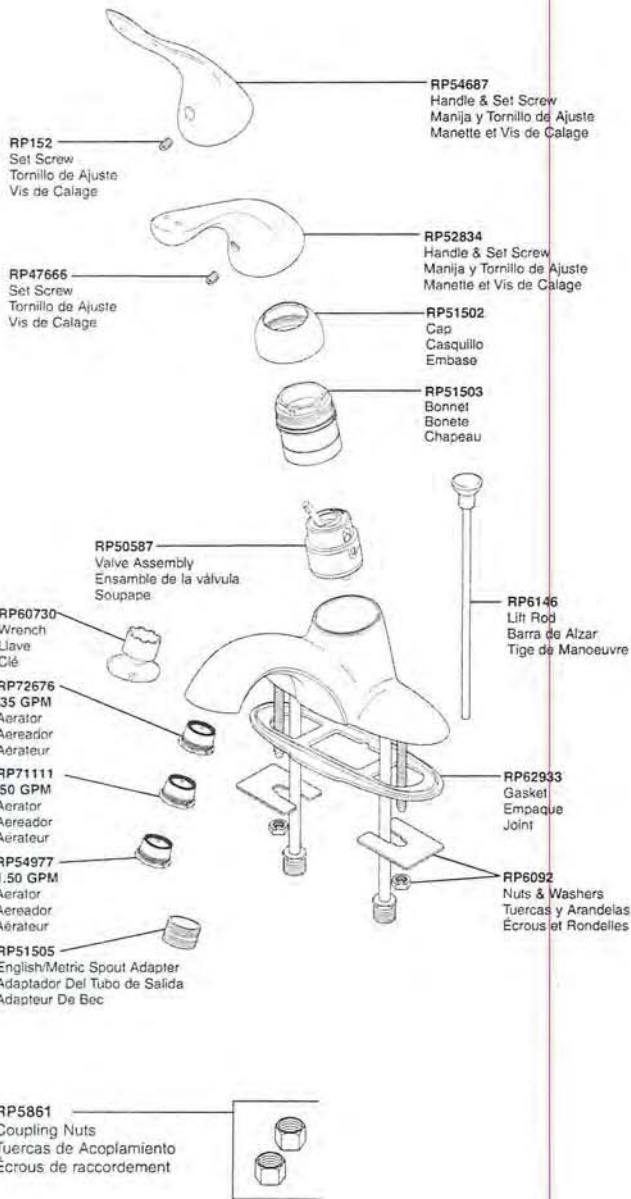
DSP-L-501LF-HDF Rev. F

Single-Handle Lavatory Faucet Robinetterie de Toilete à Manette Simple

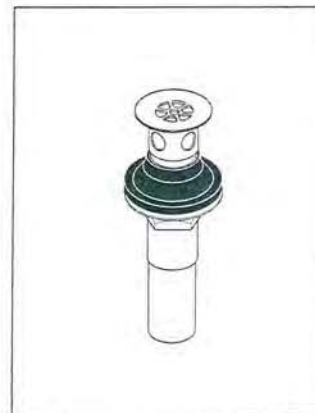
Llave Monomando para Lavamanos

HDF Lavatory

Models/Modelos/Modèles 501LF-HDF, 511LF-HDF, 515LF-HDF, 516LF-HDF,
520LF-HDF & 523LF-HDF Series/Series/Seria



RP26533
Metal Pop-Up Assembly Less Lift Rod
Ensamble de Metal del Desagüe Automático Menos
la Barra de Alzar
Renvoi Mécanique en Métal Sans la Tige de Manoeuvre



RP6346
Grid Strainer/Tamiz de la rejilla/Tamis de grille

▲Specify finish / Especificar el Acabado / Précisez le fini

HDF CENTERSET LAVATORY

501LF-HDF, 511LF-HDF, 515LF-HDF, 516LF-HDF, 520LF-HDF, 523LF-HDF

73420_Rev_B

4-30-13