

# HYBRID MEETING NOTICE

## Truckee Meadows Stormwater Permit Coordinating Committee

DATE: September 28, 2023  
TIME: 9:15 a.m.  
PLACE: Reno City Hall, 6<sup>th</sup> Floor Conference Room  
1 East First Street  
Reno NV 89501 (There is parking available in Parking Garage  
above the First Floor)

### Members

James Pehrson, Chair	Theresa Jones
Alex Mayorga	Robert Wimer
Ashley Elson	Cody McDougall

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**Public Notice:** This agenda has been physically posted at Reno City Hall, Sparks City Hall, and the Washoe County Administration Complex. Further, in compliance with NRS 241.020, this agenda has been electronically posted to the official website for the City of Reno at <https://www.reno.gov>, the City of Sparks at <https://cityofsparks.us>, and a link to this agenda has been posted to the State of Nevada website at <https://notice.nv.gov>. To obtain further documentation regarding posting, please contact Leslie Griffin at Reno City Hall, 1 East First Street, 7<sup>th</sup> Floor, Reno, NV 89501, or at [griffinl@reno.gov](mailto:griffinl@reno.gov). Members of the Committee may participate in this meeting using the zoom video conference platform.

**Members of the public may participate in the meeting by registering through the below zoom link which will provide the meeting ID number and call-in phone number.**

**Virtual link:** <https://us06web.zoom.us/meeting/register/tZEvf-qhpz0uGdBrCXCV4ghF-5RWf5ekrQSL>

**In Person:** 1 East First Street, 6th Floor Conference Room, Reno, NV 89501

### Supporting Material:

Staff reports and supporting material for the meeting are available by contacting Leslie Griffin at (775)-657-4595 or [griffinl@reno.gov](mailto:griffinl@reno.gov) and on the City's website at Reno.Gov. Pursuant to NRS 241.020(9), supporting material is made available to the general public at the same time it is provided to the public body.

### Order of Business:

The presiding officer shall determine the order of the agenda and all questions of parliamentary procedure at the meeting. Items on the agenda may be taken out of order. The public body may combine two or more agenda items for consideration; remove an item from the agenda; or delay discussion relating to an item on the agenda at any time. See, NRS 241.020(2)(c)(6). Items scheduled to be heard at a specific time will be heard no earlier than the stated time, but may be heard later.

### Accommodations:

Reasonable efforts will be made to assist and accommodate individuals with disabilities attending the meeting. Please contact Leslie Griffin at (775)-657-4595 at least 48 hours in advance so that arrangements can be made.

### Public Comment:

#### **In-Person**

Public comment, whether on items listed on the agenda or general public comment, is limited to three (3) minutes per person. Unused time may not be reserved by the speaker, nor allocated to another speaker. No action may be taken on a matter raised under general public comment until the matter is included on an agenda as an item on which action may be taken.

#### **Virtual**

No action may be taken on a matter raised under general public comment until the matter is included on a subsequent agenda as an action item.

Pursuant to NRS 241.023, those wishing to submit public comment may do so by sending an email to Theresa Jones at [jonest@reno.gov](mailto:jonest@reno.gov) or by leaving a voicemail at (775) 657-4595 or at the meeting during virtual public comment. Public comment is limited to three (3) minutes per person. Comments received prior to 4:00 p.m. on the day preceding the meeting will be transcribed, provided to the Committee for review, and entered into the record. Comments received after 4:00 pm on the day preceding the meeting will be provided to the Committee for review prior to adjournment, and entered into the record.

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## **A. Introductory Items**

### **A.1 Call To Order/Roll Call**

**A.2 Public Comment** – This item is for either public comment on any action item or for any general public comment and is limited to no more than three (3) minutes for each commentator.

**A.3 Approval Of The Agenda (For Possible Action)** – September 28, 2023

**A.4 Approval Of The Minutes (For Possible Action)** – August 24, 2023

## **B. Business Items**

**B.1** Review and possible approval for payment of below invoices. The City will pay the invoices and seek 75% reimbursement from the Water Management Fund from the Western Regional Water Commission and 25% reimbursement from the Nevada Department of Transportation per the Interlocal Agreements. (For Possible Action)

- (i) Balance invoice # 213136-0823, dated August 31, 2023, in the amount of \$19,129.87, related to Stormwater Monitoring for FY23/24.

**B.2** Review and possible approval for payment of below invoices and receipt. The City will seek reimbursement from the Water Management Fund from the Western Regional Water Commission per the Interlocal Agreement. (For Possible Action)

- (i) AGC Building Corp invoice #2050, dated September 7, 2023, in the amount of \$350.00 for rental of training rooms and facilities for November 1 & 2 BMP training.
- (ii) Home Depot receipts dated September 14, 2023 and September 18, 2023 in the total amount of \$38.12 for purchasing materials related to storm drain stenciling.

**B.3** Review, discussion and possible approval of the Stormwater Management Plan Effectiveness Evaluation for the FY22/23 MS4 Annual Report. (For Possible Action)

**B.4** Review, discussion, and possible approval of purchasing refreshments for the November 1 and 2, 2023 BMP Stormwater Training classes, in the amount not to exceed \$100.00. (For Possible Action)

**B.5** Review 2<sup>nd</sup> Quarter FY23/24 SWPCC annual budget. (For Information Only)

**B.6** Review and Update of Water Quality Crediting Program by Nick Brothers. (For Information Only)

**B.7** Educational presentation by TMWA (Kara Steeland, Sr. Hydrologist & Watershed Coordinator) on Integrated Source Water Protection Program Implementation. (For Information Only)

## **C. Standing Agenda Items (Not For Action)**

**C.1** Stormwater Management Program activities including but not limited to Construction, Industrial, Monitoring, Public Outreach, Maintenance, IDDE, and Post Construction elements in support of the Truckee Meadows Storm Water Program.

- (i) Annual Report Updates
- (ii) SWPCC/NDOT/KTMB Storm Drain Stenciling follow-up report
- (iii) CASQA 2023

- (iv) Fall 2023 BMP Training Workshop for Washoe County Maintenance and Operations employees
- (v) City of Sparks Community Day (fall)

**C.2** Update on Nevada Division of Environmental Protection's activities regarding federal, state, and local matters.

**C.3** Update on Nevada Department of Transportation activities regarding MS4 activities.

**C.4** Updates on grants and funding opportunities and projects, public presentations, volunteer opportunities and events, trainings, workshops, and conferences.

**D.** Discussion and possible direction on setting the next regular meeting for October 26, 2023 at 9:15 a.m. (For Possible Action).

**E. Public Comment** - This is for general public comment limited to items that do not appear on the agenda and is limited to no more than three (3) minutes for each commentator.

**F. Adjournment** (For Possible Action)

**MEETING MINUTES**  
**TRUCKEE MEADOWS STORMWATER PERMIT**  
**COORDINATING COMMITTEE**

**Thursday, August 24, 2023**

The regular meeting of the Truckee Meadows Stormwater Permit Coordinating Committee (SWPCC) was held virtually and in person in the City Hall 6<sup>th</sup> Floor Conference Room at 1 East First Street, Reno, Nevada, and conducted the following business:

**A. Introductory Items**

**A.1 Call to Order/Roll Call**

The meeting was called to order by Chair Pehrson at 9:18 a.m. and a quorum was present.

*Members Present:* James Pehrson, Chair; Theresa Jones, SWPCC Coordinator; Alex Mayorga; Cody McDougall; Robert Wimer

*Members Absent:* Ashley Elson

*Staff and Guests Present:* Susan Ball Rothe, Legal Counsel; Daniel Moss, City of Reno; Erika Groh, Balance Hydrologics; Scott Kobs, NCE; David Lake, City of Reno; Brian Hastings, Balance Hydrologics; Debra Lemke, NCE; Brenda Hermes, City of Reno; Iris Jehle-Peppard, One Truckee River

**A.2 Public Comment**

None

**A.3 Approval of Agenda (For Possible Action) – August 24, 2023**

COORDINATOR JONES MADE A MOTION TO APPROVE THE AGENDA, SECONDED BY MEMBER WIMER. THE MOTION CARRIED UNANIMOUSLY WITH FIVE (5) MEMBERS PRESENT.

**A.4 Approval of the Minutes (For Possible Action) - July 27, 2023**

Coordinator Jones noted a correction in the minutes changing the next meeting date from August 4 to August 24.

COORDINATOR JONES MADE A MOTION TO APPROVE THE MINUTES AS AMENDED, SECONDED BY MEMBER MAYORGA. THE MOTION CARRIED UNANIMOUSLY WITH FIVE (5) MEMBERS PRESENT.

**B. Business Items**

**B.1 Review and possible approval for payment of below invoice(s). The City will pay the invoice(s) and seek 75% reimbursement from the Water Management Fund from the Western Regional Water Commission (WRWC) and 25% reimbursement from the Nevada Department of Transportation per the Interlocal Agreements. (For Possible Action)**

- (i) USGS Invoice #91084973, dated July 12, 2023, in the amount of \$3,380.00 related to Stormwater Monitoring for FY23/24

MEMBER MCDUGALL MADE A MOTION TO APPROVE THE INVOICE, SECONDED BY MEMBER WIMER. THE MOTION CARRIED UNANIMOUSLY WITH FIVE (5) MEMBERS PRESENT.

**B.2 Review and possible approval for payment of below invoice(s). The City will seek reimbursement from the Water Management Fund from the Western Regional Water Commission (WRWC) per the Interlocal Agreement. (For Possible Action)**

- (i) NDEP Invoice #7179, dated April 27, 2023, in the amount of \$2,000.00 for Annual Review and Services Fees for Permit NVS000001

MEMBER MAYORGA MADE A MOTION TO APPROVE THE INVOICE, SECONDED BY MEMBER WIMER. THE MOTION CARRIED UNANIMOUSLY WITH FIVE (5) MEMBERS PRESENT.

**B.3 Presentation by Balance Hydrologics – Overview of the SWPCC Stormwater Monitoring Program and proposed updates to the Sampling and Analysis Plan.**

Coordinator Jones stated that she requested this program presentation since the SWPCC has several new members.

Brian Hastings, Balance Hydrologics, gave the presentation providing a general overview of the program.

**B.4 Review, discussion and possible approval of the scope of work for FY23/24 tributary watershed assessment to be conducted by NCE and direction on preparation of a consultant agreement. (For Possible Action)**

Coordinator Jones reviewed the proposed scope of work including a list of creek reaches for watershed assessments. She will present this scope of work to the Western Regional Water Commission (WRWC) in October to get the \$65,000 funding. If it is not approved, there is another option for task one that would be \$25,000 and we have \$30,000 in the budget that would cover that.

COORDINATOR JONES MADE A MOTION TO BRING THIS SCOPE OF WORK TO THE WRWC IN OCTOBER TO SEEK \$65,000 FUNDING, SECONDED BY MEMBER MAYORGA. THE MOTION CARRIED UNANIMOUSLY WITH FIVE (5) MEMBERS PRESENT

**B.5 Review and discussion of potential fall and spring BMP trainings for municipal employees.**

Daniel Moss, City of Reno, requested feedback on any interest in BMP trainings for municipal employees.

Discussion comments were that the training would be beneficial and worth trying.

Mr. Moss stated that Reno went through the training already so this can be set up for Washoe County and Sparks employees.

Discussion comments included suggesting the training room at the Truckee Meadows Water Reclamation Facility (TMWRF) may be large enough. A headcount would help determine if two

training sessions would be needed. Mr. Moss will follow up through email to coordinate those details.

**C. Standing Agenda Items (Not For Action)**

**C.1 Stormwater Management Program activities including but not limited to Construction, Industrial, Monitoring, Public Outreach, Maintenance, IDDE, and Post Construction elements in support of the Truckee Meadows Stormwater Program.**

- (i) Prepare to provide Annual Report data by August 31

Mr. Moss stated he is expecting documents from Reno and Sparks. Some of the documents are expected within a week and others by August 31.

Mr. Moss presented information included by Reno on the construction summary page and suggested this is where Sparks and Washoe County can also include information on general program updates and improvements.

**C.2 Update on Nevada Division of Environmental Protection's (NDEP) activities regarding federal, state, and local matters.**

None

**C.3 Update on Nevada Department of Transportation (NDOT) activities regarding MS4 activities.**

None

**C.4 Updates on grants and funding opportunities and projects, public presentations, volunteer opportunities and events, trainings, workshops, and conferences.**

Mr. Moss reported the stenciling activity is coming up with Keep Truckee Meadows Beautiful (KTMB). There is now a GIS map available showing all of the stenciling locations. Member McDougall will look into whether or not any Sparks locations should be included for stenciling.

Mr. Moss reported that he applied for and received a Truckee River Fund grant for Reno and will be doing a small-scale wetlands installation in a local park.

**D. Discussion and possible direction on setting the next regular meeting for September 28, 2023 at 9:15 a.m. (For Possible Action)**

COORDINATOR JONES MADE A MOTION TO APPROVE, SECONDED BY MEMBER MAYORGA. THE MOTION CARRIED UNANIMOUSLY WITH FIVE (5) MEMBERS PRESENT.

**E. Public Comment**

None

**F. Adjournment (For Possible Action)**

SWPCC Meeting Minutes

August 24, 2023

Page 4 of 4

COORDINATOR JONES MADE A MOTION TO ADJOURN AT 10:20 AM, SECONDED BY MEMBER MCDOUGALL. THE MOTION CARRIED UNANIMOUSLY WITH FIVE (5) MEMBERS PRESENT.

Respectfully submitted by,  
Christine Birmingham, Recording Secretary



**Balance  
Hydrologics, Inc.®**

Approved for payment upon  
approval by SWPCC on 09/28/23

*Theresa Jones*

800 Bancroft Way • Suite 101 • Berkeley, CA 94710 • (510) 704-1000  
www.balancehydro.com • email: office@balancehydro.com

## Invoice

**Theresa Jones**  
**City of Reno**  
1 East First Street  
7th Floor  
Reno, NV 89501

Terms: Due Upon Receipt

<u>Invoice #</u>	<u>Date</u>	<u>Amount Due</u>
213136-0823	08/31/23	<b>\$ 19,129.87</b>

**Project Manager:** Brian K. Hastings  
**Project Number:** 213136:Ph10  
**Job Description:** City of Reno Stormwater  
**Billing Through:** 08/19/23  
**Contract/PO#:**

### SUMMARY OF CHARGES

	<b>Amount</b>
01 Data Analysis and Annual Report (FY2024)	\$8,700.50
02 Stormwater Sampling	\$2,290.25
03 Tributary Ambient Sampling (2x)	\$158.00
04 Streamflow gaging (5 gages)	\$6,432.50
05 Committee Meetings and Presentations	\$696.50
06 Project Management and Correspondence	\$603.00
Expenses	\$249.12
<b>Amount Due This Invoice:</b>	<b>\$19,129.87</b>

PLEASE REMIT TO THE BERKELEY ADDRESS ABOVE

Questions regarding progress of work may be directed to the Project Manager (name above). Questions regarding billing, payment and certificates of insurance should be directed to Rachel Boitano @ (510) 704-1000 x245.





## Invoice

**Theresa Jones**  
**City of Reno**  
1 East First Street  
7th Floor  
Reno, NV 89501

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**Project Manager:** Brian K. Hastings  
**Project Number:** 213136:Ph10  
**Job Description:** City of Reno Stormwater  
**Billing Through:** 08/19/23  
**Contract/PO#:**

Task 1

- 1) Updating SAP
- 2) data prep for report including codes for plotting
- 3) quality checks on data and plots

Task 2

- 1) storm monitoring
- 2) prep for storm; dry run
- 3) calibrating instruments
- 4) Arlington repairs

Task 3

- 1) scheduling tributary ambient sampling; review gage flows

Task 4

- 1) Round of gaging observations, measurements, downloads
- 2) gaging data management
- 3) ISCO maintenance
- 4) Adjustments to real-time gage

Task 5

- 1) prep for meeting
- 2) prepare presentation

Task 6

- 1) correspondence with City of Reno
- 2) project management activities

Expenses: miles

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**City of Reno**  
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 7th Floor  
 Reno, NV 89501

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**Project Number:** 213136:Ph10  
**Job Description:** City of Reno Stormwater  
**Billing Through:** 08/19/23  
**Contract/PO#:**

**Terms: Due Upon Receipt**

<b>BREAKDOWN OF TIME CHARGES</b>	<b>Rate</b>	<b>Hours</b>	<b>Amount</b>
<b>01 Data Analysis and Annual Report (FY2024)</b>			
Senior Professional	\$201.00	3.00	\$603.00
Staff Professional	\$158.00	51.25	<u>\$8,097.50</u>
			<b>\$8,700.50</b>
<b>02 Stormwater Sampling</b>			
Principal	\$237.00	1.00	\$237.00
Senior Professional	\$201.00	8.25	\$1,658.25
Staff Professional	\$158.00	2.50	<u>\$395.00</u>
			<b>\$2,290.25</b>
<b>03 Tributary Ambient Sampling (2x)</b>			
Staff Professional	\$158.00	1.00	<u>\$158.00</u>
			<b>\$158.00</b>
<b>04 Streamflow gaging (5 gages)</b>			
Principal	\$237.00	0.50	\$118.50
Senior Professional	\$201.00	1.25	\$251.25
Staff Professional	\$158.00	28.00	\$4,424.00
Hydrologic Technician	\$95.00	17.25	<u>\$1,638.75</u>
			<b>\$6,432.50</b>
<b>05 Committee Meetings and Presentations</b>			
Senior Professional	\$201.00	1.50	\$301.50
Staff Professional	\$158.00	2.50	<u>\$395.00</u>
			<b>\$696.50</b>
<b>06 Project Management and Correspondence</b>			
Senior Professional	\$201.00	3.00	<u>\$603.00</u>
			<b>\$603.00</b>
<b>Total Time Charges:</b>			<b>\$18,880.75</b>

<b>BREAKDOWN OF EXPENSES</b>	<b>Quantity</b>	<b>Rate</b>	<b>Amount</b>
Mileage Reimbursement - Personal Vehicle	56.00	\$0.720	\$40.32
Mileage Reimbursement - Truck	290.00	\$0.720	<u>\$208.80</u>
<b>Total Expenses:</b>			<b>\$249.12</b>

PLEASE REMIT TO THE BERKELEY ADDRESS ABOVE

Questions regarding progress of work may be directed to the Project Manager (name above). Questions regarding billing, payment and certificates of insurance should be directed to Rachel Boitano @ (510) 704-1000 x245.

Truckee Meadows Stormwater Monitoring  
 City of Reno  
 Balance Project # 213136 PH10  
 Billing July 1-Aug 19, 2023

**Tasks & Allocation of Budget**

Task	\$ Allocated	Previous	Invoice	Total Expended		Budget Remaining	
		Expenditures	(#213136-0823)	\$ amt	\$ amt	%	\$ amt
01 Data Analysis and Annual Report (FY2023)	\$47,861		\$8,700.50	\$8,700.50	18%	\$39,160.50	82%
02 Stormwater Sampling (outfalls and tributaries)	\$50,276		\$2,290.25	\$2,290.25	5%	\$47,985.75	95%
03 Tributary Ambient Sampling (2x)	\$14,090		\$158.00	\$158.00	1%	\$13,932.00	99%
04 Streamflow Gaging (5 gages)	\$28,504		\$6,432.00	\$6,432.00	23%	\$22,072.00	77%
05 Committee Meetings and Presentations	\$10,628		\$696.50	\$696.50	7%	\$9,931.50	93%
06 Project Management and Correspondence	\$9,076		\$603.00	\$603.00	7%	\$8,473.00	93%
<b>Total Labor</b>	\$160,435.00	\$0.00	\$18,880.25	\$18,880.25	12%	\$141,554.75	88%
<b>Direct Costs</b>	\$3,778.00		\$249.12	\$249.12	7%	\$3,528.88	93%
<b>Analytical Costs</b>	\$31,000.00			\$0.00	0%	\$31,000.00	100%
<b>Contingency</b>	\$19,521.00			\$0.00	0%	\$19,521.00	100%
		<b>\$0.00</b>	<b>\$19,129.37</b>	<b>\$19,129.37</b>	<b>9%</b>		
<b>Total Allocated (including contingency)</b>		<b>\$214,734.00</b>					
<b>Total Expended (including current invoice)</b>				<b>\$19,129.37</b>			
<b>Total remaining</b>						<b>\$195,604.63</b>	

AGC Building Corporation

P.O. Box 7578  
Reno, NV 89510

Approved for payment upon  
approval by SWPCC on 09/28/23

*Daniel Moss*

# Invoice

Date	Invoice #
9/7/2023	2050

Bill To
Daniel Moss City of Reno Utility Services Dept

Ship To

P.O. Number	Terms	Rep	Ship	Via	F.O.B.	Project
			9/7/2023			

Quantity	Item Code	Description	Price Each	Amount
1	NAM West Room ...	NAM West Room Rental - Wed., 11/1/23	175.00	175.00
1	NAM West Room ...	NAM West Room Rental - Thurs., 11/2/23	175.00	175.00

<b>Total</b>			\$350.00
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How doers  
get more done.

6590 SOUTH VIRGINIA ST, RENO, NV 89511  
775-851-9600

3310 00016 68987 09/14/23 02:28 PM  
SALE CASHIER JOANA

051131853300 2X60 CL TAPE <A>	6.94N
SCOTCH HVYDUTY 54VDS RD IPK	
032167700042 BL SILICONE <A>	6.58N
BLASTER SILICONE DRY SPRAY LUBE 110Z	
RSN: 5 NEW AMT 4.61 MKDN	-1.97
MAX REFUND VALUE \$4.61	
032167700042 BL SILICONE <A>	6.58N
BLASTER SILICONE DRY SPRAY LUBE 110Z	
RSN: 5 NEW AMT 4.61 MKDN	-1.97
MAX REFUND VALUE \$4.61	

	SUBTOTAL	16.16
	SALES TAX	0.00
TAX EXEMPT	TOTAL	\$16.16
XXXXXXXXXXXX5691 MASTERCARD		USD\$ 16.16
AUTH CODE 097823/5164745		TA
Chip Read		
AID A0000000041010	MASTERCARD	

P.O.#/JOB NAME: VIRGINIA LAKE

3310 09/14/23 02:28 PM



3310 16 68987 09/14/2023 1394

RETURN POLICY DEFINITIONS			
POLICY ID	DAYS	POLICY EXPIRES ON	
A	1	90	12/13/2023

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**DID WE NAIL IT?**

Take a short survey for a chance TO WIN  
A \$5,000 HOME DEPOT GIFT CARD

Opine en español

[www.homedepot.com/survey](http://www.homedepot.com/survey)

User ID: WTS 141573 138279  
PASSWORD: 23464 138263

Entries must be completed within 14 days  
of purchase. Entrants must be 18 or  
older to enter. See complete rules on  
website. No purchase necessary.



How does  
get more done.

RENO, NV 89523 (775)787-9690  
STORE MANAGER JEB MURDOCK

3311 00017 14880 09/18/23 05:36 PM  
SALE CASHIER SALVADOR

030192018255 ACTNSTTHNRGL <A> 21.96N  
KLEAN STRIP ACETONE GAL

SUBTOTAL 21.96  
SALES TAX 0.00

TAX EXEMPT

TOTAL \$21.96

XXXXXXXXXXXX5691 MASTERCARD

USD\$ 21.96

AUTH CODE 075465/1174439

TA

Chip Read

AID A0000000041010

MASTERCARD

P.O.#/JOB NAME: SWPCC

3311 09/18/23 05:36 PM



3311 17 14880 09/18/2023 3958

RETURN POLICY DEFINITIONS

POLICY ID DAYS POLICY EXPIRES ON  
A 1 90 12/17/2023

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DID WE NAIL IT?

Take a short survey for a chance TO WIN  
A \$5,000 HOME DEPOT GIFT CARD

Opine en español

[www.homedepot.com/survey](http://www.homedepot.com/survey)

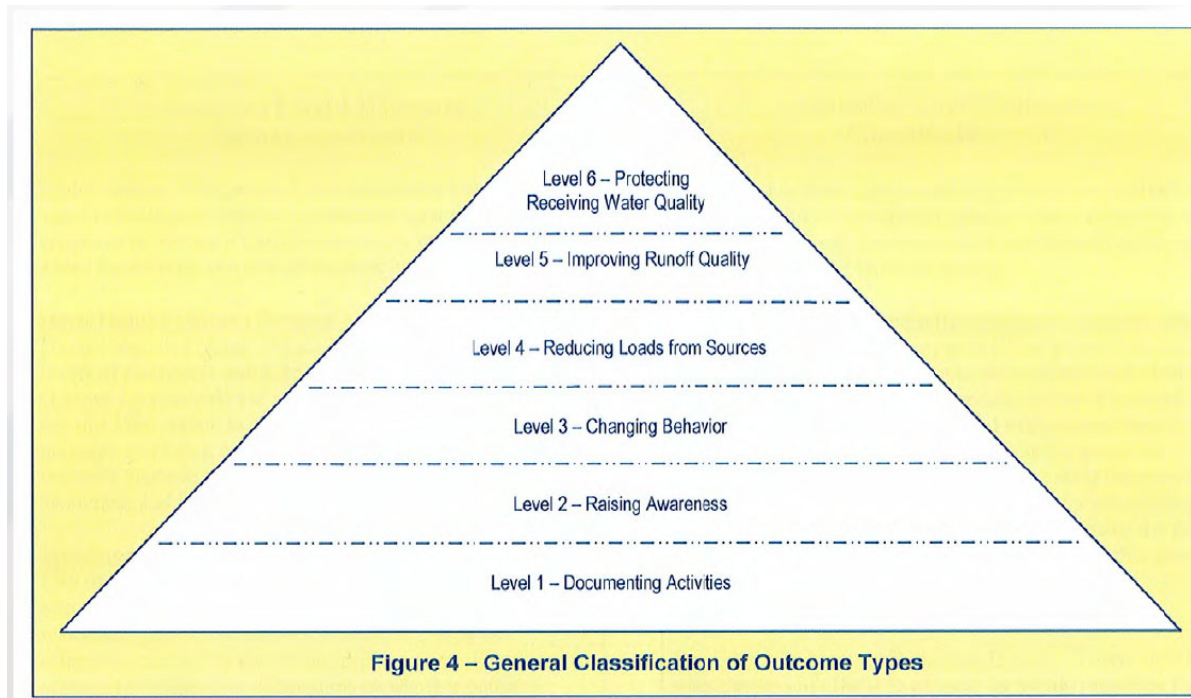
User ID: WCZ 33360 30066

PASSWORD: 23468 30049

offer  
must be completed within 14 days  
of purchase. Entrants must be 18 or  
older. See complete rules on  
te. No purchase necessary.

## Effectiveness Assessment

The effectiveness assessment assigns a CASQA outcome type to each BMP in the tables provided. The BMPs are then rated for the level of implementation. The value of the implementation rating shows the status of the BMP item being implemented toward achieving the goals associated.



### Implementation Rating System:

1-3 = Not Fully Implemented, Requires Improvement

4-6 = Implemented, Actively Improving

7-9 = Complete, Little Improvement Needed

n/a = Not applicable

**Element: Public Outreach and Education**

BMP#	Title or Measurable Goal	2005 Permit Reference	Milestone or Accomplishment		Notes	Implementation Ranking:			
			CASQA BMP Classification	Ongoing or deadline		SWPCC	COR	COS	Washoe
<b>EDU-01, Public Outreach and Education Typical Events</b>		IV.D.2							
EDU-1.1	Coordinate and attend (booth or table) at least one community event per year		2	⇔	Hosted 2 stenciling events, with KTMB.	9			
EDU-1.2	Host at least two BMP related workshops per year		3	⇔	In Winter 2022, SWPCC held a Construction BMP Training for CoR Maintenance and Operations Staff over two days, with 86 total attendees. In Spring 2023, SWPCC held the Stormwater Compliance & BMPs for Construction Sites Training for Contractors over two days, with 77 total attendees. Also, in fall 2022 SWPCC held a HOA-focused training on stormwater infrastructure and permanent BMP maintenance.	9			
EDU-1.4	Maintain the existing web tools with updated content and current information		2	⇔	Updated City's and SWPCC's website with most current information.	9			
EDU-1.5	Provide support to educators by maintaining and promoting tools for their use on www.tmstormwater.com and in coordination with the Truckee Meadows Water Authority (TMWA)		2	⇔	Tools are maintained and posted on new website.	9			
<b>EDU-02, Public Outreach and Education Materials</b>		IV.D.							
EDU-2.1	Distribute at least 100 storm water fact sheets per year		2	⇔	Distributed Prevent Local Stormwater Pollution pamphlet (English and Spanish) at agency offices, libraries, non-profits. PDFs available on website.	9			
EDU-2.2	Implement educational bill inserts for regional distribution, explaining storm water pollution, prevention and tips		2	⇔	Reference EDU 2.1 for related actions.	9			
EDU-2.3	Digitize storm water fact sheets and post on the www.tmstormwater.com website for public access		2	⇔	Completed.	9			
EDU-2.4	Participate in existing public celebrations with booth or other SWPCC presence (1/year), using banners and Enviroscape diorama		2	⇔	Conducted outreach at booth for Floor Awareness Week at Elmcrest Elementary School, TMWA Smart About Water Day, and Reno - Sparks Water Palooza	9			
<b>EDU-03, Storm Drain Labeling Program</b>		IV.D.3 & 4							
EDU-3.1	Develop a list of volunteers to use in future efforts		3	⇔	Coordination with KTMB to develop volunteer lists	9			
EDU-3.2	Label 75 storm drains each year through volunteer efforts		3	⇔	Working on a neighborhood focused effort. 305 during fall 2022 and 249 during spring 2023. Dozens of informational flyers handed out.	9			
EDU-3.3	Continue mapping of storm drain facilities through the Truckee Meadows region over the current permit cycle		4	⇔	Yearly effort coordinated with KTMB River Clean Up Day	9			
<b>EDU-04, Partnerships and Affiliations</b>		IV.D.5							
EDU-4.1	Maintain existing partnerships and affiliations		3	⇔	Maintained and expanded partnerships including One Truckee River, Urban Ecology Solutions, Integrated Source Water Protection, Resilient Reno, NDEP, Great Basin Outdoor School, KTMB, Nevada Water Resource Assn.	9			
EDU-4.2	Collaborate with at least five partners per year		3	⇔	Co-permittees, NDOT, KTMB, Truckee Meadows Parks Foundation, One Truckee River, etc.; working to expand	9			
<b>EDU-05, Regional Program Website www.tmstormwater.com</b>		IV.D.3 & 4							
EDU-5.1	Post 100% of approved SWMP related documents		1	⇔	Posted	9			
EDU-5.2	List all (100%) BMP training workshops		2	⇔	Workshops advertised on website	9			
EDU-5.3	Within www.tmstormwater.com, create a Household Hazardous Waste page for safe disposal (see IDD-05). Reference other sites with hours of operation for hazardous waste management assistance		2	⇔	Provided links to EPA resources	9			

Symbol Key: ⇔ Ongoing Activity; ⊕ Deliverable or SWMP Milestone

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 4-6 = Implemented, Actively Improving  
 7-9 = Complete, Little Improvement Needed

n/a= not applicable



**Element: Public Outreach and Education**

BMP#	Title or Measurable Goal	2005 Permit Reference	Milestone or Accomplishment		Notes	Implementation Ranking:			
			CASQA BMP Classification	Ongoing or deadline		SWPCC	COR	COS	Washoe
<b>EDU-06, Truckee River Watershed Map Tool</b>		IV.D.3 & 4							
EDU-6.1	Distribute 100 website postcards to the community at public education days, with the website and a description of the tool		3	⇔	Restocked Prevent Local Stormwater Pollution pamphlets, containing link to website, at agency offices, libraries, non-profits. PDFs available on website. Engaged a consultant to recreate an interactive Watershed GIS Map, to be completed in FY23-24.	8			
EDU-6.2	Support teachers using this website by providing them with curriculum ideas for meeting science standards (coordinate with Washoe County Science Coordinator annually)		2	⇔	No direct contact made with Washoe County School Science Coordinator, however, presented Floor Awareness Week at Elmcrest Elementary School.	6			
EDU-6.3	Provide two updates per year to the content in the Map Tool		1	⇔	Engaged a consultant to recreate an interactive Watershed GIS Map, to be completed in FY23-24.	8			
<b>EDU-07, Demonstration Projects - Typical</b>		IV.D.3 & 4							
EDU-7.1	Maintain project descriptions and summaries / results on either www.tmstormwater.com or www.truckeeriverinfo.org		2	⇔	Project updates for Chalk Creek added to TMStormwater website, as well as relevant links to City of Reno, Sparks, and Washoe County.	7			
EDU-7.2	Make an annual presentation of the results of a demonstration project and reference these projects in training sessions on storm water and BMPs, as they correlate to improving storm water, as well as sharing lessons learned		3	⇔	Presentation on Dry Creek Restoration project made to City of Reno Utility Services Department.	9			
<b>EDU-08, Workshop and Training Seminars</b>		IV.D.5							
EDU-8.1	Conduct two training sessions per fiscal year		3	⇔	5 workshops - BMPs/SWPPP (4), HOAs (1), Stormwater at Rotary Club (1), Stormwater for students (3)	8			
EDU-8.2	Provide materials and presentations for use throughout the community in trainings for storm water and watershed protection		3	⇔	Provided on the website and at workshops	9			

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**Element: Construction Site Discharge Program**

BMP#	Title or Measurable Goal	2005 Permit Reference	CASQA BMP Classification	Milestone or Accomplishment		Implementation Ranking:			
				Ongoing or deadline	Notes	SWPCC	COR	COS	Washoe
<b>CONST-01, Construction Site Inspections</b>		IV.J.							
CONST-1.1	Inspect all (100%) construction sites at least once		6	⇔	Ongoing, COR reorganization effort has redefined areas of improvement and set new goals for the program.	N/A	6	9	7
CONST-1.2	Record and follow up on all (100%) observed deficiencies		6	⇔	Ongoing. All deficiencies addressed through corrective action or referral. COR reorganization effort has redefined areas of improvement and set new goals for the program.		7	9	7
<b>CONST-02, Construction Site BMP Training</b>		IV.J.4.d							
CONST-2.1	Conduct at least two Construction Site Storm Water BMP Training Workshops each year		3	⇔	In Winter 2022, SWPCC held a Construction BMP Training for CoR Maintenance and Operations Staff over two days, with 86 total attendees. In Spring 2023, SWPCC held the Stormwater Compliance & BMPs for Construction Sites Training for Contractors over two days, with 77 total attendees.	8			
CONST-2.3	Disseminate Nevada Construction BMP field guides to all attendees		3	⇔	Training was conducted in person, but SWPCC is out of paper field guides, so all attendees received email link to PDF version. Update of SWPCC field guides to be determined upon finalization of updated NDEP MS4 Permit and new NDEP field guide.	9			
CONST-2.4	Provide training announcements on www.tmstormwater.com, and through local industry newsletters		2	⇔	Contact BANN, AGC, and existing construction contact list at least 2 months in advance of future BMP trainings.	8			
<b>CONST-03, Construction Site BMP Handbooks</b>		IV.J.							
CONST-3.1	Make the handbooks available to site development and redevelopment projects within the Truckee Meadows MS4 permit area		2	⇔	Digital or by request	9			
CONST-3.2	Meet the schedule for updating the Nevada BMP Field Guide and Construction Site BMP handbook (both due for update June 2013)		2	Ⓢ	Completed	9			

Symbol Key: ⇔ Ongoing Activity; Ⓢ Deliverable or SWMP Milestone

n/a= not applicable

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**Element: Intergovernmental Coordination**

BMP#	Title or Measurable Goal	Milestone or Accomplishment				Implementation Ranking:			
		2005 Permit Reference	CASQA BMP Classification	Ongoing or deadline	Notes	SWPCC	COR	COS	Washoe
<b>GOV-01, Intergovernmental Coordination</b>		IV.K.							
GOV-1.1	Administer the Storm Water program per Interlocal Agreement (2004) and in accordance with the permit		3	⇔	Ongoing	9			
GOV-1.2	Continually maintain the Interlocal Agreement (no lapse)		3	⇔	Ongoing	9			
GOV-1.3	Schedule regular public-noticed SWPCC meetings, at least bimonthly		3	⇔	Ongoing	9			
GOV-1.4	Participate in Coordinated Monitoring Program activities on the Truckee River watershed		3	⇔	Ongoing	9			
GOV-1.5	Post and provide maintenance for the CMP document on the Truckee River Information Gateway (TRIG) website at www.truckeeriverinfo.org		2	⇔	Ongoing and continuing to seek out new data contributors and collaborators	9			
<b>GOV-02, Municipal Codes and Ordinances</b>		III.							
GOV-2.1	Continually maintain adequate legal authority to enforce and support the provisions in the MS4 permit (goal: no code deficiencies observed or reported annually)		3	⇔	Ongoing	9			
GOV-2.2	Review agency design manuals, codes and ordinances, and update as needed, to support Low Impact Development and other storm water control techniques		3	⇔	Ongoing: Updating ordinances for LID and SC guidance.	9			
<b>GOV-03, Complaint Hotline</b>		IV.G.1.f							
GOV-3.1	Respond to 100% of the calls received		4	⇔	Reno Direct	9			
GOV-3.2	Document calls received		1	⇔	Reno Direct/EC Call 311 for Washoe County Call (775) 861-4152 for Sparks	9			
<b>GOV-04, Truckee Meadows Regional Drainage Manual</b>		III.							
GOV-4.1	Record the number of manuals distributed and workshops and training events		1	⇔	This is available online and not distributed in paper form	9			
GOV-4.2	Provide assistance with periodic updates of the Drainage Manual		1	⇔	Ongoing	9			
<b>GOV-05, Code Enforcement</b>		III., IV.G.1							
GOV-5.1	Educate contractors, developers and builders, convey requirements of storm water related expectations and obtain voluntary compliance to reduce or prevent the need for enforcement actions (Discuss code and code enforcement at two outreach events per year)		3	⇔	In Spring 2023, SWPCC held the Stormwater Compliance & BMPs for Construction Sites Training for Contractors over two days, with 77 total attendees.	9			
GOV-5.2	Record and document enforcement actions within the MS4 permit area in the Annual Report to NDEP		1	⇔	Ongoing.	9			
<b>GOV-06, Plan Review</b>		III.							
GOV-6.1	Record applicable building and development plans with respect to storm water quality management practices, requirements and waterway protection measures with the MS4 permit area		4	⇔	Ongoing: all three agencies issue a Stormwater Permit above and beyond that of NDEP.	9			

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 4-6 = Implemented, Actively Improving  
 7-9 = Complete, Little Improvement Needed

n/a= not applicable

**Element: Industrial Facility Monitoring and Control**

BMP#	Title or Measurable Goal	Milestone or Accomplishment				Implementation Ranking:			
		2005 Permit Reference	CASQA BMP Classification	Ongoing or deadline	Notes	SWPCC	COR	COS	Washoe
<b>IND-01, Commercial and Industrial Storm Water Inspections</b>		IV.H.1							
IND-1.1	Inspect all permitted sites at least once a year		5	⇄	Ongoing		9	9	ILA <sup>1</sup>
IND-1.2	Respond to and follow up on 100% complaints and/or observed deficiencies		6	⇄	Ongoing		9	9	ILA <sup>1</sup>
<b>IND-02, Commercial and Industrial Storm Water Outreach and Education</b>		IV.H							
IND-2.1	Conduct at least one commercial and industrial outreach and education training session each year		3	⇄	Training sessions are done during annual inspections for each business license. Handouts for general guidance were updated and are provided to permittees as needed during inspections.		8	8	ILA <sup>1</sup>
<b>IND-03, Housekeeping - Commercial/Industrial</b>		IV.H.							
IND-3.1	Promote good housekeeping practices through inspection of permitted facilities (100% of facilities inspected)		4	⇄	Ongoing		9	9	ILA <sup>1</sup>
IND-3.2	Respond to 100% of substantiated reports and complaints relating to poor housekeeping practices that have the potential to enter the waterways of the MS4 permit area		6	⇄	Ongoing		9	9	ILA <sup>1</sup>
<b>IND-04, Commercial/Industrial Facility Inventory</b>		IV.H.1.b							
IND-4.1	Maintain existing inventory of industrial facilities		2	⇄	Ongoing		9	9	ILA <sup>1</sup>
IND-4.2	Annually verify that no industries listed in Section IV.H.1 are in operation within the MS4 permit area		2	⇄	Goal Met		9	9	ILA <sup>1</sup>
<b>IND-05, Industrial and Commercial Storm Water BMP Handbook</b>		IV.H.							
IND-5.1	Distribute the industrial and commercial educational video and manual to new commercial and industrial facilities within the MS4 permit area		2	⇄	New fliers and links to updated manual		8	8	ILA <sup>1</sup>
IND-5.2	Assess the need to update the Industrial and Commercial Storm Water BMP Handbook		1	⇄	Goal Met	9			
IND-5.3	If necessary, develop a schedule for updating the Handbook		1	⇄	Goal Met	9			

Symbol Key: ⇄ Ongoing Activity; Ⓢ Deliverable or SWMP Milestone

<sup>1</sup>ILA: The Cities of Reno and Sparks Environmental Control (EC) sections perform commercial and industrial inspection and enforcement activities for respective areas of Washoe County, through interlocal agreements.

**Element: Industrial Facility Monitoring and Control**

BMP#	Title or Measurable Goal	Milestone or Accomplishment				Implementation Ranking:			
		2005 Permit Reference	CASQA BMP Classification	Ongoing or deadline	Notes	SWPCC	COR	COS	Washoe
<b>IND-01, Commercial and Industrial Storm Water Inspections</b>		IV.H.1							
IND-1.1	Inspect all permitted sites at least once a year		5	⇄	Ongoing		9	9	ILA <sup>1</sup>
IND-1.2	Respond to and follow up on 100% complaints and/or observed deficiencies		6	⇄	Ongoing		9	9	ILA <sup>1</sup>
<b>IND-02, Commercial and Industrial Storm Water Outreach and Education</b>		IV.H							
IND-2.1	Conduct at least one commercial and industrial outreach and education training session each year		3	⇄	Training sessions are done during annual inspections for each business license. Handouts for general guidance were updated and are provided to permittees as needed during inspections.		8	8	ILA <sup>1</sup>
<b>IND-03, Housekeeping - Commercial/Industrial</b>		IV.H.							
IND-3.1	Promote good housekeeping practices through inspection of permitted facilities (100% of facilities inspected)		4	⇄	Ongoing		9	9	ILA <sup>1</sup>
IND-3.2	Respond to 100% of substantiated reports and complaints relating to poor housekeeping practices that have the potential to enter the waterways of the MS4 permit area		6	⇄	Ongoing		9	9	ILA <sup>1</sup>
<b>IND-04, Commercial/Industrial Facility Inventory</b>		IV.H.1.b							
IND-4.1	Maintain existing inventory of industrial facilities		2	⇄	Ongoing		9	9	ILA <sup>1</sup>
IND-4.2	Annually verify that no industries listed in Section IV.H.1 are in operation within the MS4 permit area		2	⇄	Goal Met		9	9	ILA <sup>1</sup>
<b>IND-05, Industrial and Commercial Storm Water BMP Handbook</b>		IV.H.							
IND-5.1	Distribute the industrial and commercial educational video and manual to new commercial and industrial facilities within the MS4 permit area		2	⇄	New fliers and links to updated manual		8	8	ILA <sup>1</sup>
IND-5.2	Assess the need to update the Industrial and Commercial Storm Water BMP Handbook		1	⇄	Goal Met	9			
IND-5.3	If necessary, develop a schedule for updating the Handbook		1	⇄	Goal Met	9			

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<sup>1</sup>ILA: The Cities of Reno and Sparks Environmental Control (EC) sections perform commercial and industrial inspection and enforcement activities for respective areas of Washoe County, through interlocal agreements.

**Element: MS4 Collective Municipal and SWPCC Activities**

BMP#	Title or Measurable Goal	Milestone or Accomplishment				Implementation Ranking:			
		2005 Permit Reference	CASQA BMP Classification	Ongoing or deadline	Notes	SWPCC	COR	COS	Washoe
<b>MS4-01, Outfall, Channel and Tributary Inspections and Assessments</b>		IV.G.1.b, c, & d							
MS4-1.1	Respond to 100% of all illicit discharges within the MS4 permit area		6	⇔	Ongoing	9			
MS4-1.2	Record the channels, drains and tributaries inspected (100% of the inspections recorded, analyzed and reported)		1	⇔	Ongoing	9			
MS4-1.3	100% of field issues identified are reported, corrected or rectified		6	⇔	Ongoing	9			
MS4-1.4	Perform tributary assessment annually (per schedule)		2	⇔	Ongoing	9			
<b>MS4-02, MS4 Mapping</b>		IV.B.1							
MS4-2.1	Maintain and update maps showing boundaries of the permit area, major storm water infrastructure and land use		2	⇔	Goal met	8			
MS4-2.2	Examine the feasibility of a common mapping format for use by all entities showing the location of permit defined major outfalls		1		Possible layer in ISWP tool hosted by the TMRPA	9			
<b>MS4-03, Monitoring - Dry Weather</b>		V.A.1							
MS4-3.1	Conduct regular dry weather monitoring		4	⇔	Ongoing	9			
MS4-3.2	Conduct storm event monitoring in the dry season		4	⇔	Ongoing	9			
MS4-3.3	Review and report 100% of analytical results, noting shifts or changes (i.e., flags)		3	⇔	Ongoing	9			
MS4-3.4	Review and revise the SAP annually, as needed		3	⇔	Goal met	9			
<b>MS4-04, MS4 Monitoring Wet Weather</b>		V.A.							
MS4-4.1	Conduct regular sampling in wet season as described in the current SAP		2	⇔	Ongoing	9			
MS4-4.2	Conduct storm event monitoring in wet season as described in the current SAP		2	⇔	Ongoing	9			
MS4-4.3	Review and report 100% of analytical results, noting shifts or changes (i.e., flags)		3	⇔	Ongoing	9			
MS4-4.4	Review and revise the SAP annually, as needed		3	⇔	Goal met	9			
MS4-4.5	Take action or report on 100% of field issues identified to SWPCC		5	⇔	Ongoing	9			
<b>MS4-05, Identification of New Storm Water BMPs</b>		IV.A.5 & 7							
MS4-5.1	Discuss new BMPs in committee at least once each year		2	⇔	Ongoing	9			
MS4-5.2	Compare another MS4's BMPs with those used in the Truckee Meadows once each year		2	⇔	Ongoing	9			
MS4-5.3	Search at least three websites each year for new BMPs or new maintenance guidance on existing BMPs		2	⇔	Ongoing	9			
MS4-5.4	Talk to the co-permittees' maintenance divisions once each year to solicit input on BMP-related issues		3	⇔	Ongoing	9			
<b>MS4-06, SWMP Effectiveness Assessment</b>		II.B.2.i, & V.C.3.b							
MS4-6.1	Review the CASQA methodology and define the approach to be used		2	⇔	Goal met	9			
MS4-6.2	Review existing BMP measurable goals with respect to their ability to support the desired outcome level		3	⇔	Goal met	9			
MS4-6.3	Perform annual effectiveness assessments		2	⇔	Goal met	9			
MS4-6.4	Include effectiveness assessment outcomes in the Annual Report		2		Goal met	9			

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**Element: MS4 Collective Municipal and SWPCC Activities**

BMP#	Title or Measurable Goal	Milestone or Accomplishment				Implementation Ranking:			
		2005 Permit Reference	CASQA BMP Classification	Ongoing or deadline	Notes	SWPCC	COR	COS	Washoe
<b>MS4-07, SWMP Effect on Drinking Water Quality</b>		IV.F.5							
MS4-7.1	Hold one annual meeting with local water purveyors to discuss storm water impacts on surface water and groundwater quality		2	⇔	Goal met	9			
MS4-7.2	Discuss in committee the utility of modifying the annual monitoring plan to include considerations related to drinking water		2	⇔	Goal met	9			
MS4-7.3	Discuss in committee the utility of developing a GIS based tool for land use planning and permit approval based on relative risk for contamination of drinking water supplies, both surface water and groundwater		2	⇔	Goal met	9			
<b>MS4-08, Impaired Waters</b>		II.							
MS4-8.1	For each impairment, evaluate whether storm water discharges from any party of the MS4 permit area contribute directly or indirectly to the listing of a water body on the 303(d) list (goal: demonstrate yearly progress)		3	⇔	Goal met	9			
MS4-8.2	In the event that the data show that storm water runoff aggravates the 303(d) listing, identify BMPs that might be practicable to be implemented to mitigate the listing conditions (goals: demonstrate yearly progress)		3		Goal met	9			
<b>MS4-09, Truckee Meadows Watershed Protection Manual</b>		IV.							
MS4-9.1	Record number of manuals distributed at workshops and training events		1	⇔	The majority of the distribution of relevant information is online.	9			
MS4-9.2	Provide assistance with periodic updates of the Watershed Protection Manual		2	⇔	The "Watershed Management and Protection Plan For Tributaries To The Truckee River" was updated in August 2020	9			

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**Element: Municipal Operations**

BMP#	Title or Measurable Goal	Milestone or Accomplishment				Implementation Ranking:			
		2005 Permit Reference	CASQA BMP Classification	Ongoing or deadline	Notes	SWPCC	COR	COS	Washoe
<b>MUNI-01, Storm Drain and Channel Maintenance</b>		IV.E.1.e							
MUNI-1.1	Maintain and inspect major storm water inlets and conveyance channels at least once a year		4	⇔	WC does not have current workforce to inspect all major SD structures annually, however they rotate inspection areas regularly.		9	9	7
MUNI-1.2	Report for action 100% of observed structural deficiencies and evidence of illicit discharges		4	⇔	Ongoing		9	8	
MUNI-1.3	Record the area and location of the drains and channels inspected (100% recordkeeping)		2	⇔	Ongoing		9	9	9
MUNI-1.4	100% of field issues identified are corrected or prioritized on future CIP lists		5	⇔	Ongoing		9	9	8
<b>MUNI-02, Street Sweeping</b>		IV.E.1.b							
MUNI-2.1	Sweep the MS4 permit area monthly		6	⇔	Monthly Schedule online for residents		9	9	
MUNI-2.2	Perform leaf sweeping when necessary		6	⇔	October through November		9	9	
MUNI-2.3	Sweep up all sand within 4 days following a storm event (in which sand and salt was applied)		6	⇔	Required by stormwater and regional air program		9	9	9
<b>MUNI-03, Maintenance of City and County Owned Facilities</b>		IV.E.1.e							
MUNI-3.1	Maintain and inspect 100% of City/County owned structural storm water BMPs and facilities annually		6	⇔	Ongoing		9	9	
MUNI-3.2	Report for action 100% of observed deficiencies and evidence of illicit discharge		3	⇔	Ongoing		9	9	8
MUNI-3.3	Record the area, location and type of maintenance activity for City/County owned structural storm water BMPs (100% recordkeeping)		2	⇔	Ongoing		7	8	
MUNI-3.4	Correct list on future CIP lists, 100% of field issues identified		2	⇔	Ongoing		7	7	8
MUNI-3.5	Submit compilation of maintenance activities for inclusion in the Annual Report. This may warrant coordination between departments within each entity to consolidate a summary of activities in a consistent format		3	⇔	Summarized in O&M templates. Activity logs maintained by departments.		7	7	7
<b>MUNI-04, Pesticide, Herbicide and Fertilizer Application Management - Internal</b>		IV.E.1.d							
MUNI-4.1	Record types of chemicals used, the amount, application method, location, date and purpose		3	⇔	Ongoing		7	7	7
MUNI-4.4	Establish a consistent reporting format intra-departmentally and across the jurisdictions		3		Ongoing		8	8	8
<b>MUNI-05, Staff Training - Operations and Maintenance - Internal</b>		IV.E.1.a							
MUNI-5.1	Coordinate and provide internal O&M staff storm water related training (100% of O&M staff trained or informed) annually		3	⇔	In Winter 2022, SWPCC held a Construction BMP Training for CoR Maintenance and Operations Staff (Sparks and WC also invited) over two days, with 86 total attendees. SWPCC is currently planning to conduct future In-house trainings at each agency for O&M staff, and also for fire staff, police, and dispatch.	7			
MUNI-5.2	Provide refresher training courses in specific areas of interest of storm water protection as they arise		2	⇔	Ongoing	7			

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n/a= not applicable



**Element: Post Construction for New Development and Significant Redevelopment**

BMP#	Title or Measurable Goal	2005 Permit Reference	CASQA BMP Classification	Milestone or Accomplishment		Implementation Ranking:			
				Ongoing or deadline	Notes	SWPCC	COR	COS	Washoe
<b>POST-01, Land Development</b>		IV.F							
POST-1.1	Review (100%) land development project plans for new or significant redevelopment that disturb areas greater than one acre (or <1 acre if part of a larger common development) to ensure that storm water runoff is treated or mitigated to the MEP		4	↔	Ongoing		8	8	
POST-1.2	Revise development codes as needed to support the Post Construction Storm Water program		4	↔	Title 18 was updated when current Permit was issued. When next Permit is issued, the relevant agencies will provide necessary updates to their development codes.		9	9	
POST-1.3	Define the approach and timeline for developing a database of post-construction BMPs controls		2	↔	Each agency has a post-construction BMP control database that is updated regularly. COR actively improving database with an impending new detention basin inspector position.		9	9	ILA <sup>1</sup>
<b>POST-02, Truckee Meadows Structural Controls Design Manual</b>		IVJ.4.d							
POST-2.1	Maintain the manual on the website with hard copies available if desired		3	↔	Goal Met	9			
POST-2.2	Update the Structural Controls Design Manual in accordance with the planned schedule		3	↔	Ongoing.	9			
POST-2.3	Post updates on the website and publish amendments at a minimum of 5 years		3	↔	Ongoing	9			
<b>POST-03, Truckee Meadows Low Impact Development Handbook</b>		IV.f.3.a.ii							
POST-3.1	Distribute the LID handbook (electronically) within the Truckee Meadows MS4 permit area		3	↔	Ongoing. Distribution occur through Tmstormwater.com	9			
POST-3.2	Develop a schedule for updating the LID handbook		2	↔	Scheduling the update will be evaluated annually.	9			
<b>POST-04, Truckee Meadows Standard Design Guidance Worksheets</b>		IV.F.4							
POST-4.1	Maintain the worksheets on the website		3	↔	Goal Met	9			
POST-4.2	Update the Design Guidance Worksheet in accordance with the planned schedule		2	↔	Goal Met	9			
POST-4.3	Post updates on the website and publish amendments as necessary		3	↔	Ongoing	9			
<b>POST-05, Future Regional Flood Projects</b>		IV.F.3.a.iv							
POST-5.1	Hold one annual meeting with the flood staff from the Cities of Reno and Sparks, Washoe County and the TMWRF		2	↔	The agencies participate in regional flood management and planning activities	1			
POST-5.2	Discuss in committee the necessity of developing a more formal process (e.g., a checklist, or additional BMPs in the Truckee Meadows Drainage manual) annually		2	↔	Formal process improvements hasn't been discussed yet.	1			

Symbol Key: ↔ Ongoing Activity; ☺ Deliverable or SWMP Milestone

<sup>1</sup> ILA: The Cities of Reno and Sparks Environmental Control (EC) sections perform commercial and industrial inspection and enforcement activities for respective areas of Washoe County, through interlocal agreements.

**TMSWPCC Storm Water Management Program Budget Fiscal Year 2022-2023  
4th Quarter Summary**

Category	Budget Items	Program Budget	WRWC Contribution	NDOT Participation	Total Billed WRWC	Total Billed NDOT	Total Budget Remaining	% Spent	% Remain	Notes
Stormwater Quality	USGS	\$ 13,520.00	\$ 10,140.00	\$ 3,380.00	\$ 2,535.00	\$ 845.00	\$ 10,140.00	25%	75%	
	Field Supplies Equipment misc	\$ 5,000.00	\$ 3,750.00	\$ 1,250.00	\$ -	\$ -	\$ 5,000.00	0%	100%	
	Balance Hydro	\$ 191,786.50	\$ 143,839.88	\$ 47,946.63	\$ 14,347.38	\$ 4,782.46	\$ 172,656.66	10%	90%	
	Misc. Stormwater Support	\$ 62,272.00	\$ 46,704.00	\$ 15,568.00	\$ -	\$ -	\$ 62,272.00	0%	100%	
	<b>Subtotal</b>	<b>\$ 272,578.50</b>	<b>\$ 204,433.88</b>	<b>\$ 68,144.63</b>	<b>\$ 16,882.38</b>	<b>\$ 5,627.46</b>	<b>\$ 250,068.66</b>	<b>8%</b>	<b>92%</b>	
Outreach	Unallocated	\$ 1,290.00	\$ 1,290.00		\$ -		\$ 1,290.00	0%	100%	
	KTMB	\$ 2,000.00	\$ 1,500.00	\$ 500.00	\$ -		\$ 2,000.00	0%	100%	
	SWAG		\$ -				\$ -			
	TMPF	\$ 2,500.00	\$ 2,500.00		\$ -		\$ 2,500.00	0%	100%	
	Misc	\$ 1,500.00	\$ 1,500.00		\$ 388.12		\$ 1,111.88	26%	74%	
<b>Subtotal</b>	<b>\$ 7,290.00</b>	<b>\$ 6,790.00</b>	<b>\$ 500.00</b>	<b>\$ 388.12</b>	<b>\$ -</b>	<b>\$ 6,901.88</b>	<b>5%</b>	<b>95%</b>		
Administration and Support	NDEP	\$ 1,276.00	\$ 1,276.00		\$ -		\$ 1,276.00	0%	100%	
	City of Reno/Staffing	\$ 50,000.00	\$ 50,000.00		\$ -		\$ 50,000.00	0%	100%	
	<b>Subtotal</b>	<b>\$ 51,276.00</b>	<b>\$ 51,276.00</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 51,276.00</b>	<b>0%</b>	<b>100%</b>	
<b>Total</b>	<b>Totals</b>	<b>\$ 331,145</b>	<b>\$ 262,500</b>	<b>\$ 68,645</b>	<b>\$ 17,271</b>	<b>\$ 5,627</b>	<b>\$ 308,247</b>			Total Budget/Billed WRWC/NDOT
Check		\$ 332,500	\$ 262,500	\$ 70,000	\$ 17,271	\$ 5,627	\$ 308,247			Totals check
	<b>OK</b>		<b>OK</b>	<b>OK</b>	<b>OK</b>	<b>OK</b>				Over budget check
					<b>OK</b>	<b>OK</b>				Invoice Tab Check

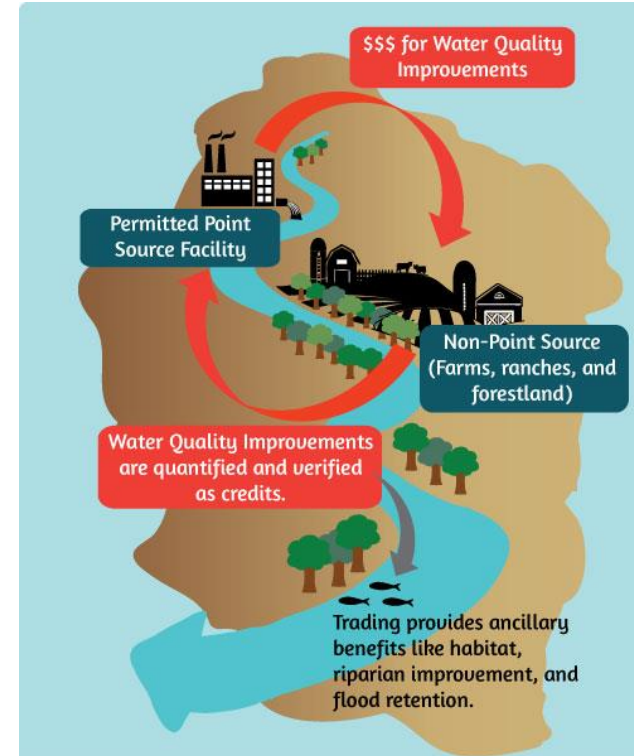
Percent Total Available Budget Spent	7%
Percent WRWC Available Budget Spent	7%
Percent NDOT Available Budget Spent	8%
Amount of WRWC Budget Spent \$	17,271
Amount of NDOT Budget Spent \$	5,627
Total Funds Spent FY2023 \$	22,898
Total Available Budget Remaining \$	309,602
Total Available WRWC Budget Remaining \$	245,229
Total Available NDOT Budget Remaining \$	64,373

# Water Quality Credit Program – Back in Action

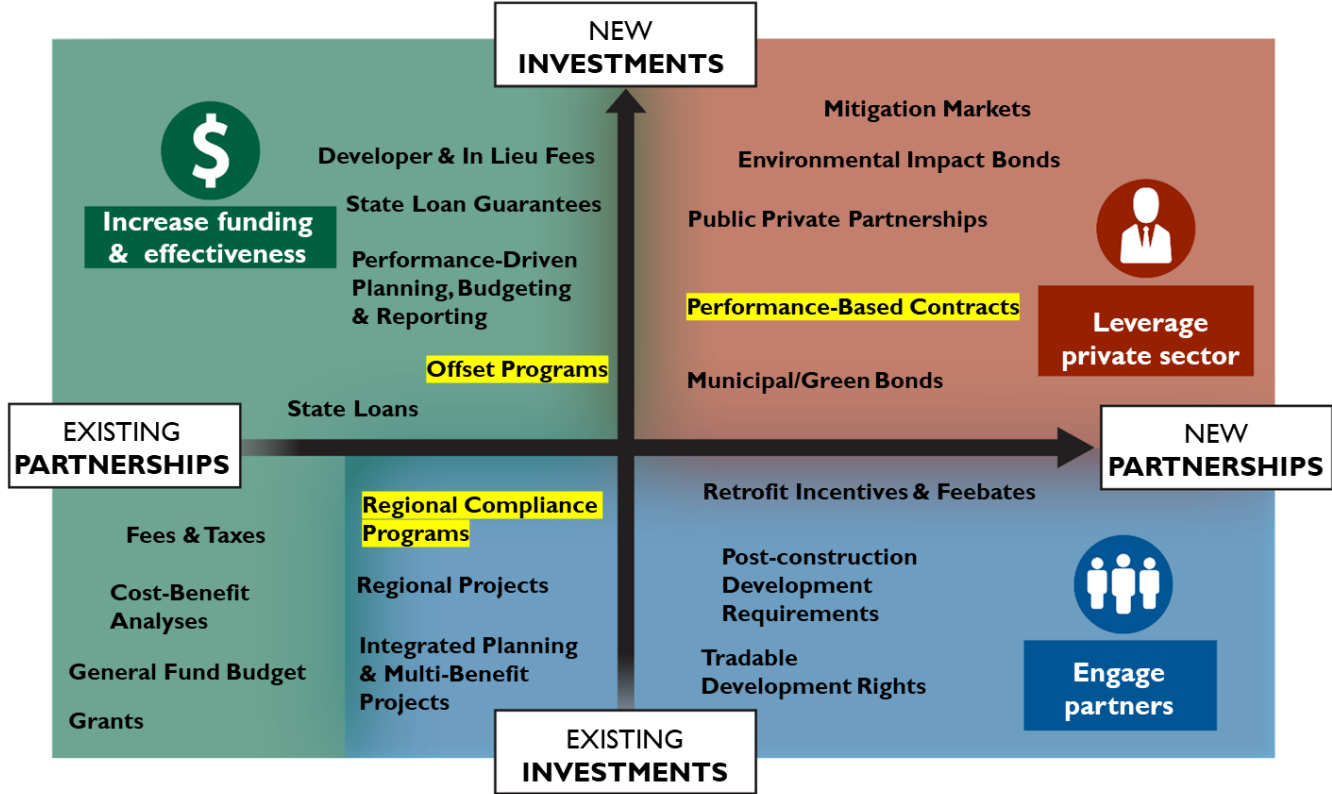
- Reintroduce the project and scope
- What have we accomplished to date?
- Next steps

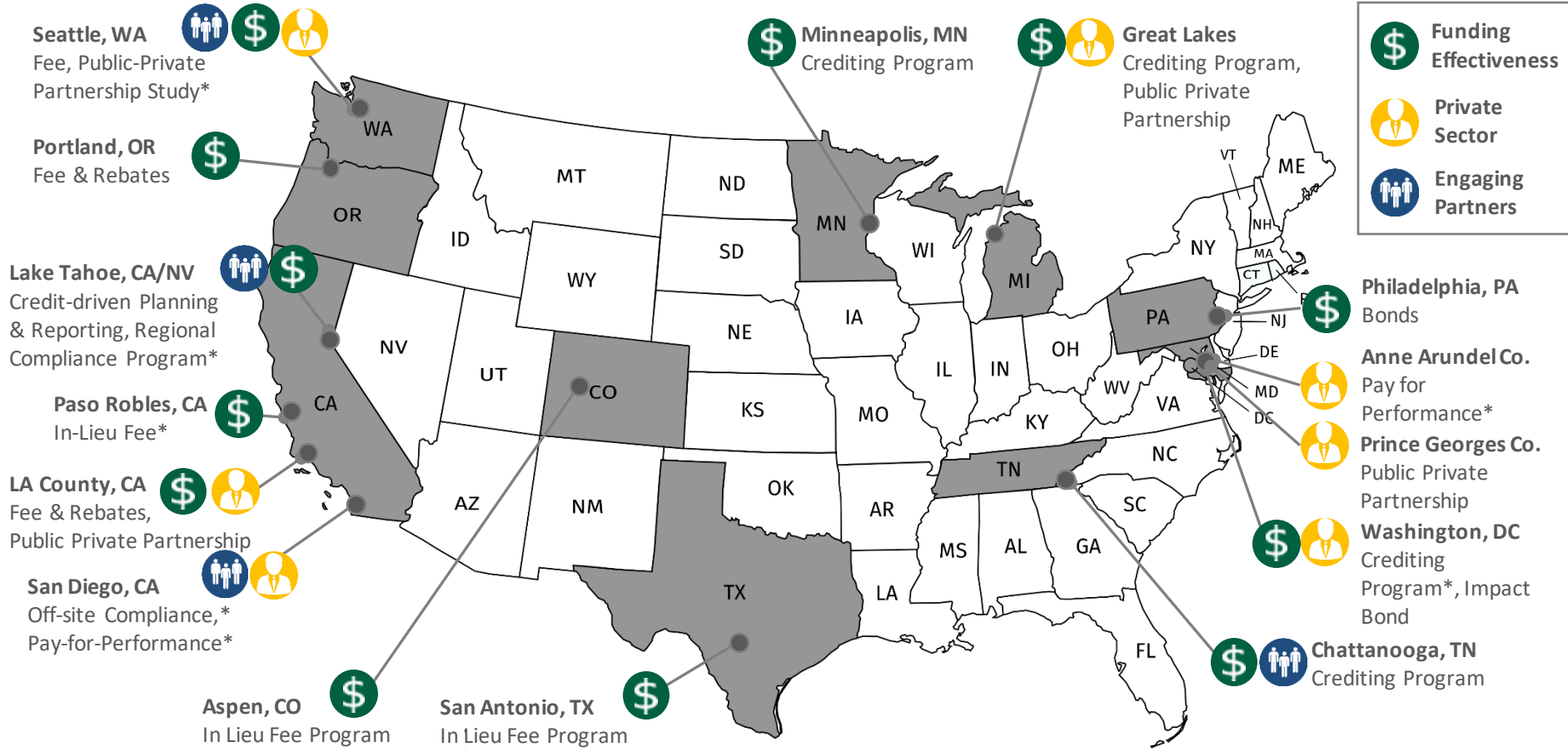
## WHY DEVELOP A CREDITING & OFFSET PROGRAM?

- Gain flexibility to enable economic growth without increasing pollutant load
  - Enable new and affordable housing growth
  - Accommodate new stormwater dischargers
- Gain credit for the water quality benefits of restoration projects
  - Projects will be done, but credit will be lost
- Unlock new sources of funding and land
  - South Tahoe shares WQ credit with CalTrans
  - City could pay for a project on Washoe County land



# ALTERNATIVE COMPLIANCE SERVICES





**Funding Effectiveness** (Green Dollar Sign Icon)

**Private Sector** (Yellow Person Icon)

**Engaging Partners** (Blue Group of People Icon)

# WHAT IS INVOLVED IN THIS PROJECT?

- Task 1: Discover needs & intro program elements
- Task 2: Develop & review program design booklet
- Task 3: Draft Program Document
- Task 4: Deliver working drafts
- Task 5: Engage and collaborate to promote adoption & use
- Task 6: Support adoption & pilot transaction
- Highlight Deliverables
  - A. Stakeholder team(s) engagement
    - i. Core Team
    - ii. Consulted Stakeholders
    - iii. Informed Stakeholders
  - B. Working Program Document
  - C. Pilot project credit proposal support

## WHERE DID WE LEAVE OFF

Discovery Meeting	1 month
Create “Booklet”	5 months
Draft Program Document	8 months
Deliver Working Document	12 months
Quiet Period	3-12 months
Support for Transaction	6 months

- Budget & source
  - \$198k
  - Western Regional Water Commission

## Typical Full Program Development Process





## BOOKLET AND COMMENTS

- Draft booklet shared July 22'
- Comments collected and ranked Oct 22'
- NDEP comments were held and more time requested. Due to NDEP staff turnover.

### Since Then:

- El worked on draft program document incorporating comments
- Reengaged with NDEP
- Ready to kick off further discussion and progress the program



# SOURCE WATER PROTECTION PROGRAM

*Truckee Meadows Stormwater Permit Coordinating Committee  
September 2023*



# WHY IS SOURCE WATER PROTECTION IMPORTANT TO TMWA?



- TMWA serves approximately 440,000 residents in the Reno-Sparks area
- 80-85% of the drinking water for the Truckee Meadows comes from the Truckee River
- Other 15-20% of drinking comes from TMWA's 90 production wells
- TMWA doesn't own most of the land around its sources of water supply

# 2020 INTEGRATED SOURCE WATER AND 319(H) WATERSHED PROTECTION PLAN FOR PUBLIC WATER SYSTEMS AND THE TRUCKEE RIVER IN THE TRUCKEE MEADOWS

- Accessible at <https://washoecountycleanwater.org/>
- Completed in 2020
- Stakeholders:
  - Truckee Meadows Water Authority
  - Truckee Meadows Regional Planning Agency
  - Washoe County Health District
  - City of Reno
  - City of Sparks
  - Washoe County
  - Central Truckee Meadows Remediation District
  - Truckee Meadows Stormwater Permit Coordinating Committee
  - Nevada Land Trust
  - One Truckee River
  - Keep Truckee Meadows Beautiful

# SECTION 18.04.107

- TMWA started receiving notifications from businesses in March 2021 from any business in Reno that could have a “potentially contributing use”

## Section 18.04.107

The following land uses pose a moderate to high risk of contamination of drinking water supplies and are classified for purposes of this section as “Potentially Contributing Uses”:

Public Park or Recreation Area

College, University, or Seminary

School, Secondary

School, Vocational or Trade

Healthcare Facilities (all uses)

Agricultural, Animals, and Farming (all uses)

Cleaners, Commercial

Amusement or Recreation, Outside

Sports Arena, Stadium, or Track

Airport Operations and Facilities

Auto Service and Repair

Gas Station

Truck Stop / Travel Plaza

Industrial Uses (All Uses)



# NOTIFICATION PROCESS

- Businesses notify TMWA at <https://swpp.tmwa.com/>
- Receive automated email after submittal to include with application packet
- TMWA reviews to determine if the business is a potential concern from a source water protection standpoint



## Source Water Protection Program Business/Development Notification Page

In support of the regional Source Water Protection Program, the City of Reno requires that new or expanded businesses and land uses with "potential contributing uses" notify TMWA to determine if they will occur within critical distances of sensitive water infrastructure.

Applicants can fulfill the notification requirement (Reno Municipal Code Section 18.04.107 "Source Water Protection") by completing the form below. This will automatically notify TMWA and determine if the parcel is within close proximity of critical water infrastructure.

The notification allows TMWA to educate businesses and developers about critical drinking water infrastructure and help them prevent contamination of our community's water supplies.

[Learn More About the regional Source Water Protection Program](#)

[Source Water Protection Program FAQs](#)

### Source Water Protection Notification

Primary Contact Name\*

Business Name

Email\*

Phone\*

Accessor Parcel Number (APN)\*

Permit Number

Business Type\*

Submit

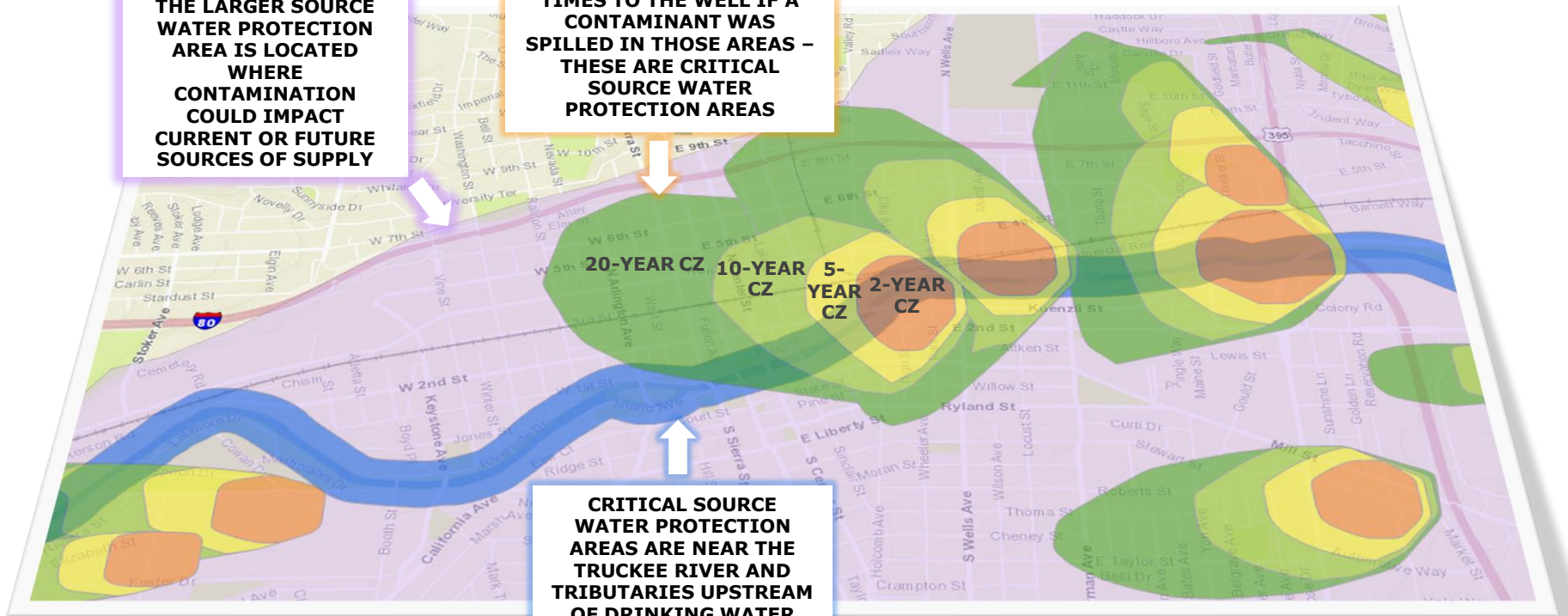


# SOURCE WATER PROTECTION AREAS

**THE LARGER SOURCE WATER PROTECTION AREA IS LOCATED WHERE CONTAMINATION COULD IMPACT CURRENT OR FUTURE SOURCES OF SUPPLY**

**WELLHEAD PROTECTION AREAS SHOW CAPTURE ZONES (CZ) WITH TRAVEL TIMES TO THE WELL IF A CONTAMINANT WAS SPILLED IN THOSE AREAS – THESE ARE CRITICAL SOURCE WATER PROTECTION AREAS**

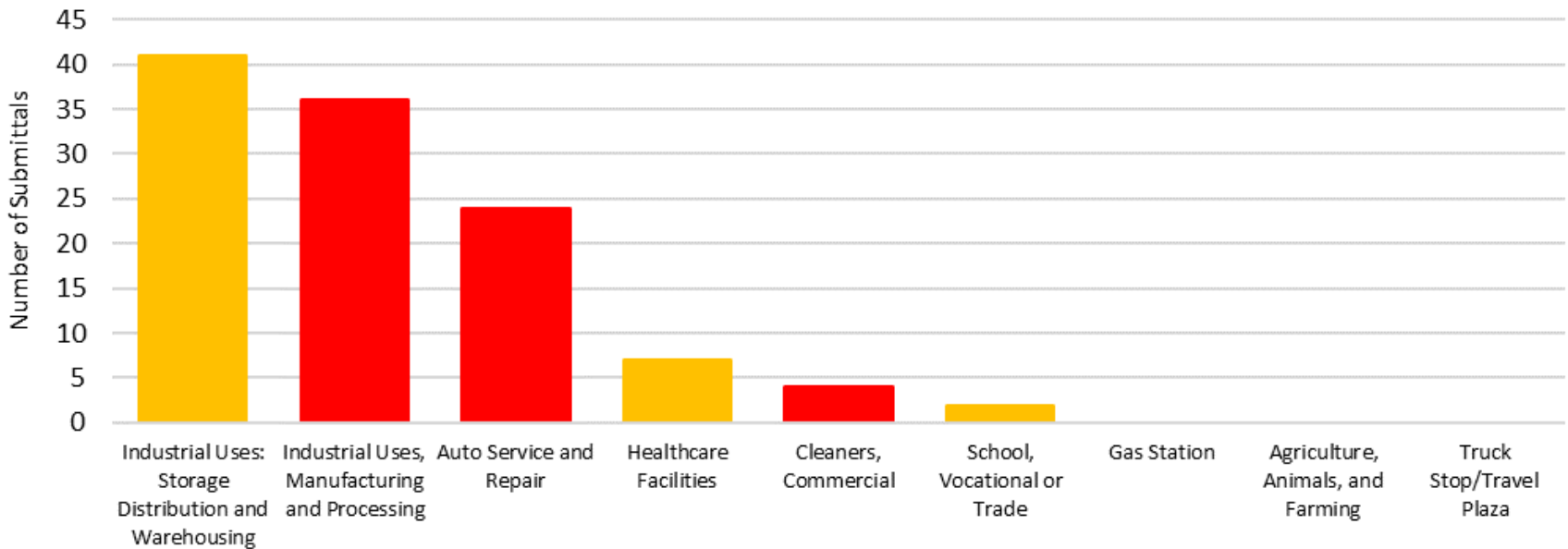
**CRITICAL SOURCE WATER PROTECTION AREAS ARE NEAR THE TRUCKEE RIVER AND TRIBUTARIES UPSTREAM OF DRINKING WATER INTAKES**



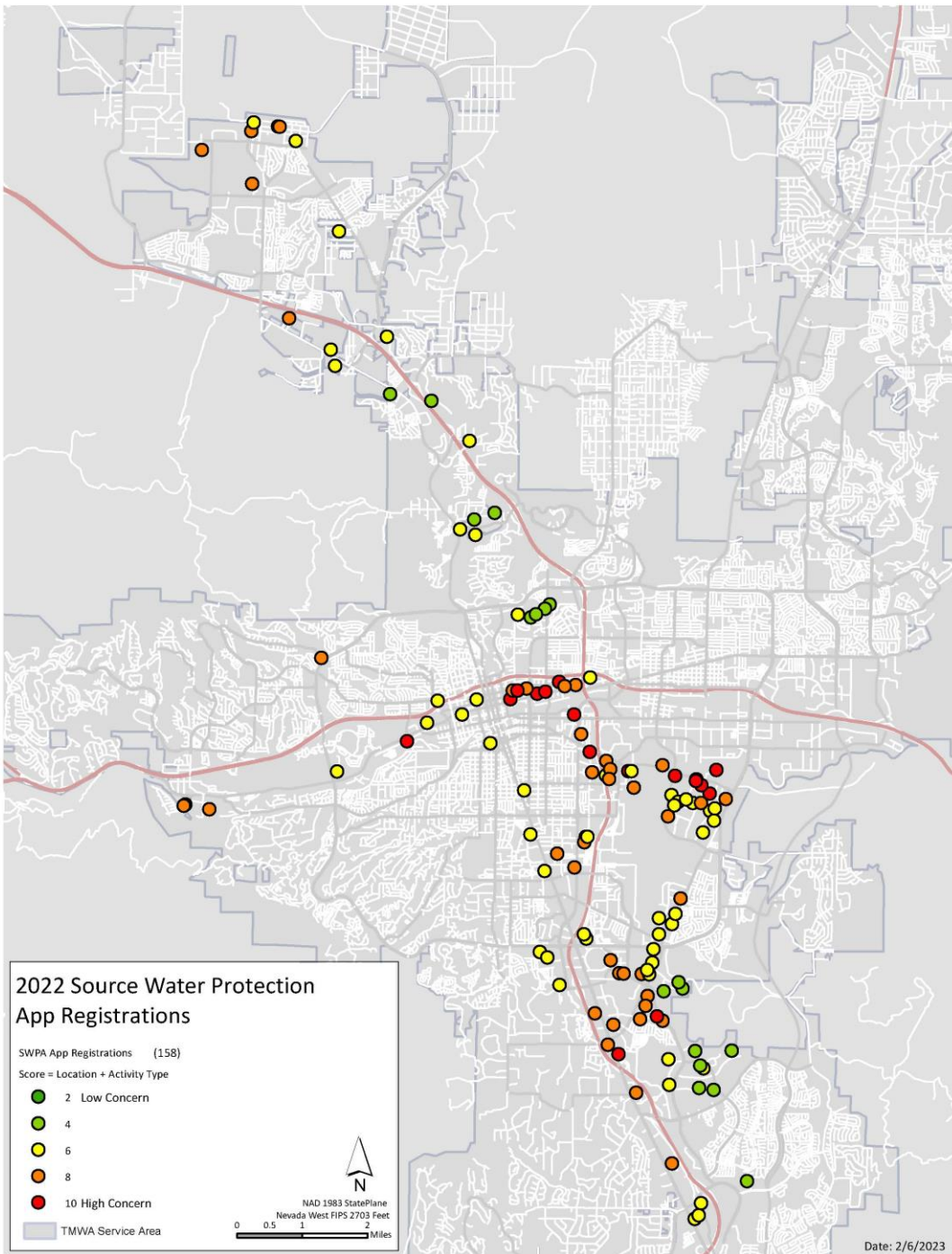
# 2022 BUSINESS LICENSE SUBMITTALS

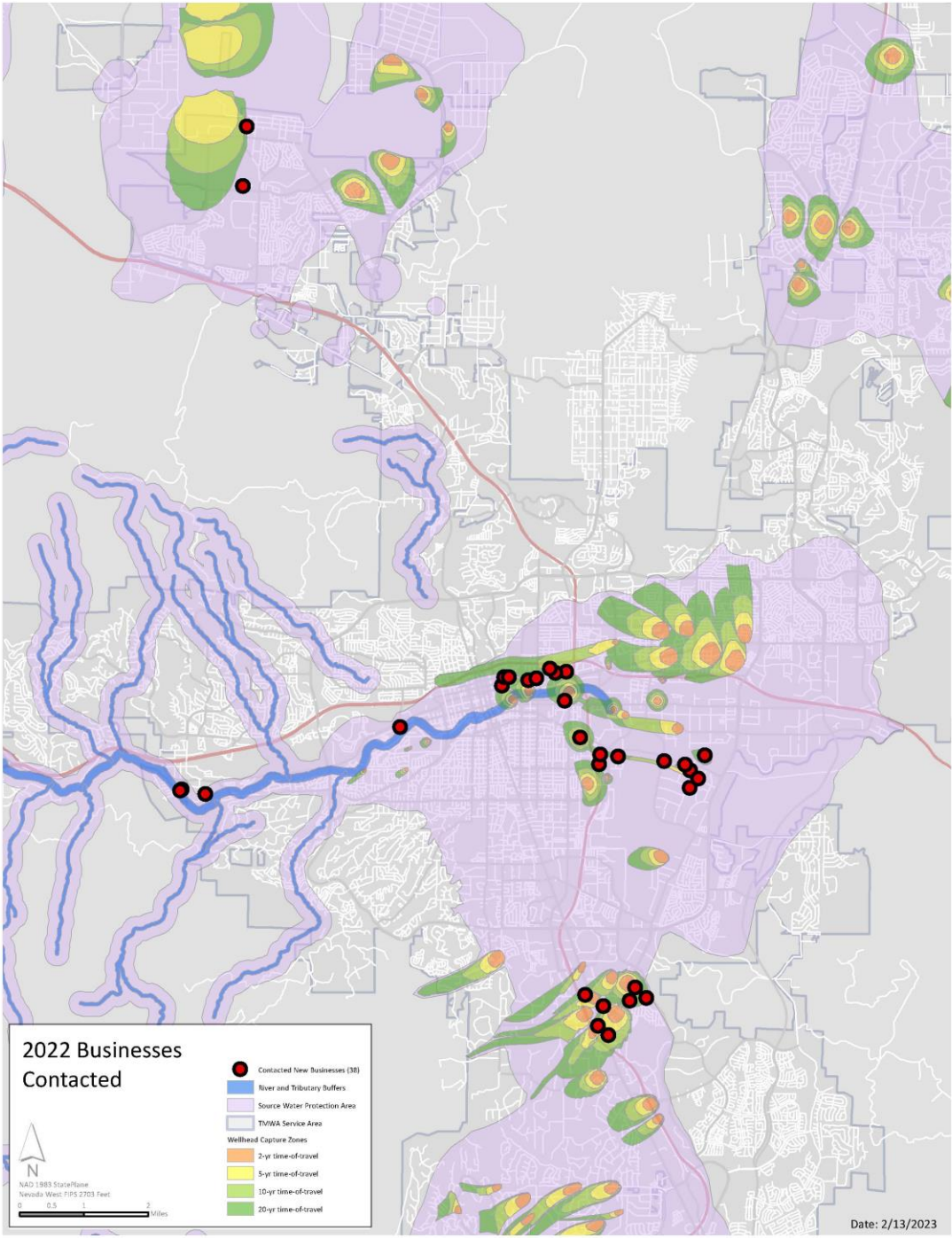
- Received notifications from 118 business license submittals in 2022
- Contacted 37 businesses in Critical Source Water Protection Areas

2022 SOURCE WATER PROTECTION SUBMITTALS BY BUSINESS TYPE











# SUMMARY



- Easy process for City of Reno staff
- Very few issues with submittal webpage
- Successfully helping inform TMWA about potential issues in Critical Source Water Protection Areas
- Have started working with Washoe County to identify review processes
- Also want to expand this program into Sparks

Thank you!  
Questions?

Kara Steeland  
Sr. Hydrologist & Watershed Coordinator

Email: [ksteeland@tmwa.com](mailto:ksteeland@tmwa.com)

## Stormdrain Stenciling

A total of 278 storm drains were stenciled by 21 volunteers during the fall KTMB Truckee River Cleanup Day. Storm drain stenciling is an effective way to educate Reno residents, who often stop by and ask questions, about the importance of keeping stormwater clean! Reference the attached example map for a small neighborhood area that was stenciled.







