Permit No. 78015S03

# AMENDED PERMIT

# SECONDARY PERMIT

## TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

**Name of Permittee:** RENO-CITY

**Source:** TRUCKEE RIVER

**Basin:** TRUCKEE CANYON SEGMENT

**Manner of Use:** POWER GENERATION

**Period of Use:** JANUARY 1ST THROUGH DECEMBER 31ST

**Priority Date:** AS DECREED

**********

**APPROVAL OF STATE ENGINEER**

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

This secondary permit is issued subject to the provisions of NRS 533.440. This permit is issued for incidental power generation upon discharge from the upstream reservoirs identified in Exhibit B of the application and is subject to the terms and conditions under the Primary Permit 78015. Any storage and transportation losses, as established by the administrator of the Truckee River Operating Agreement, must be deducted from the amount of water available for use under this secondary permit. This permit is issued subject to the continuing jurisdiction and regulation by the State Engineer and the Federal Water Master.

This permit is issued subject to existing rights.

This permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

The point of diversion and place of use are as described on the submitted application to support this permit.

(Continued on Page 2)

The amount of water appropriated under this Secondary Permit shall not exceed the amounts permitted under the Primary Permit. The quantity of water released and release rate from storage under this Secondary Permit in any year shall not exceed the amounts allowed by the Truckee River Operating Agreement.

| | |
|---|---|
| Work must be prosecuted with reasonable diligence and proof of completion of work shall be filed on or before: | **February 14, 2016** |
| Water must be placed to beneficial use and proof of the application of water to beneficial use shall be filed on or before: | **February 14, 2021** |
| Map in support of proof of beneficial use shall be filed on or before: | **N/A** |

IN TESTIMONY WHEREOF, I, JASON KING, P.E.,

State Engineer of Nevada, have hereunto set my hand and the seal of my office, this **3rd** day of **January, 2014**

for State Engineer

Permit No. 78015S03

See Amended

# THE STATE OF NEVADA

## SECONDARY
## PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

| | |
|---|---|
| **Name of applicant:** | **CITY OF RENO AND CITY OF SPARKS BY AND THROUGH TRUCKEE MEADOWS WATER AUTHORITY AND TRUCKEE MEADOWS WATER AUTHORITY** |
| **Source:** | **TRUCKEE RIVER** |
| **Basin:** | **TRUCKEE CANYON SEGMENT** |
| **Manner of Use:** | **POWER GENERATION** |
| **Period of Use:** | **January 1st to December 31st** |
| **Priority Date:** | **AS DECREED** |

**********

### APPROVAL OF STATE ENGINEER

This is to certify that I have examined the submitted application, and do hereby grant the same, subject to the following limitations and conditions:

This secondary permit is issued subject to the provisions of NRS 533.440. This permit is issued for incidental power generation upon discharge from the upstream reservoirs identified in Exhibit B of the application and is subject to the terms and conditions under primary Permit 78015. Any storage and transportation losses, as established by the administrator of the Truckee River Operating Agreement, must be deducted from the amount of water available for use under this secondary permit. This permit is issued subject to the continuing jurisdiction and regulation by the State Engineer and the Federal Water Master.

This permit is issued subject to existing rights.

This permit does not extend the permittee the right of ingress and egress on public, private or corporate lands.

The issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies.

The point of diversion and place of use are as described on the submitted application to support this permit.

(Continued on Page 2)

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, **and not to exceed 2.15 cubic feet per second as decreed.**

Work must be prosecuted with reasonable diligence and proof of completion of work shall be filed on or before: **February 14, 2016**

Water must be placed to beneficial use and proof of the application of water to beneficial use shall be filed on or before: **February 14, 2021**

Map in support of proof of beneficial use shall be filed on or before: **N/A**

IN TESTIMONY WHEREOF, I, JASON KING, P.E.,

State Engineer of Nevada, have hereunto set my hand and the seal of my office, this 14th day of February, 2011

P.E.

State Engineer

Completion of work filed _____

Proof of beneficial use filed _____

Serial No. 78015-S03

# SECONDARY
# APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

THIS SPACE FOR. OFFICE USE ONLY

Date of filing in State Engineer's Office MAR 0 4 2009

Returned to applicant for correction .....

Corrected application filed .....Map filed FEB 1 7 2006 under 7 3 7 8 3 Sht 2

The applicant... City of Reno and City of Sparks by and through TMWA and TMWA..... .....

.....P.O. Box 30013.....of.....Reno.....
Street and No. Or P.O. Box No — City and Town

.....Nevada 89520-3013..... hereby makes..... application for permission to appropriate
State and Zip code No.

the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association give names of members.).....

.....

1. The source of the proposed appropriation is Truckee River water stored in Lake Tahoe, Boca Reservoir, Prosser Creek Reservoir, Stampede Reservoir, Donner Lake and Independence Lake pursuant to the permit to be issued under Primary Application No. 78015.
Name of stream, lake, spring, underground or other source

2. The amount of water applied for is: 3.44.....second feet.
One second foot equals 448.83 gallons per minute.

(a) If stored in reservoir give number of acre-feet: 502.84 acre feet annually, see "No. 12 Remarks".

3. The water to be used for incidental hydroelectric power generation.
Irrigation, power, mining, commercial, domestic or other use. Must limit to one major use.

4. If use is for:

(a) Irrigation, state number of acres to be irrigated.....

(b) Stockwater, state number and kind of animals.....

(c) Other use (describe fully "No. 12. Remarks") .....

(d) Power: see Exhibit "D" attached hereto and by this reference made a part hereof.

(1) Horse Power developed.....

(2) Point of return of water to stream .....

5. The water is to be diverted from its source at the following point: Described in Exhibit "A" after the water has been released
Describe as being within a 40-acre subdivision of public survey,

from the reservoirs described in Exhibit "B" attached hereto and by this reference made a part hereof.
and by course and distance to section corner, If on unsurveyed land, it should be so stated.

78015 503

6. Place of use. Farad, Fleish, Verdi and Washoe Hydroelectric Power Plants as described on Exhibit "C" and shown on the map supporting Amended Primary Application No. 76161.
Describe by legal subdivision. If on unsurveyed land, it should be so stated.

7. Use will begin about ..... January 1 ..... and end about ..... December 31 .....of each year.
Month and Day — Month and Day

8. Description of proposed works (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) All works referenced on Exhibit A are complete.
ditches and flumes, drilled well with pump and motor, etc.

9. Estimated cost of works .....No costs are needed since the works are complete.....

10. Estimated time required to construct works .....Three (3) years.....
If well completed, describe works.

11. Estimated time required to complete the application of water to beneficial use .....Ten (10) years.....

12. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.

See Exhibit "E" attached hereto and by this reference made a part hereof. Truckee Meadows Water Authority aka TMWA

**TELEPHONE NUMBER**

By .....
Signature, applicant or agent

Truckee Meadows Water Authority
P.O. Box 30013
Street and No., or P.O. Box No.

(775) 834-8021.....

Reno, Nevada 89520-3013
City, State, Zip code No.

**APPLICATION MUST BE SIGNED BY THE APPLICANT OR AGENT**

**$200 FILING FEE MUST ACCOMPANY APPLICATION**

2009 MAR -4 AM 10: 12
STATE ENGINEER'S OFFICE

# EXHIBIT "A"

**The Proposed Points of Diversion are described as follows:**

**FARAD POWER FLUME:**
Farad Power Flume is situate in the South ½ of Lot 6 ( S ½ Lot 6) of Section 30, T. 18N., R. 18E., M.D.M., or at a point from whish the northeast corner of Section 6, T.18N., R. 18E., M.D.M., bear North 23° 02' 10" East, 25, 269.00 feet.

**FLEISH POWER FLUME:**
Fleish Power Flume is situate in the Northeast ¼ of the Southeast ¼ (NE ¼ SE ¼) of Section 6, T. 18N., R, 18E., M.D.M., or at a point from which the northeast corner of said Section 6 bears North 52° 04' 08" East, 5,097.00 feet.

**VERDI POWER DITCH & FLUME:**
Verdi Power Ditch and Flume is situate in the SE ¼ SE ¼ of Section 19, T. 19N., R. 18E., M.D.M., or at a point from which the southeast corner of said Section 19 bears South 39° 58' East, 845.00 feet

**WASHOE POWER DITCH:**
Washoe Power Ditch is situate in the NW ¼ NE ¼ of Section 16, T. 19N., R. 18E., M.D.M., or at a point from which the northeast corner of said Section 16 bears North 87° 35' 00" East, 2,004.0 feet.

Each Point of Diversion is shown on the map filed with Amended Primary Application No. 76161.

# EXHIBIT "B"

The Proposed Points of Diversion (Dam) are shown on the map filed with Amended Application No. 73783 and the storage capacity (AF) and maximum outlet capacity (cfs) for each Storage Reservoir are as follows:

**Lake Tahoe:**

Situate in the NE ¼ of the NW ¼ of Section 7, T. 15N., R. 17E., M.D.M., or from the Dam the Southwest corner of said Section 7 bears South 29° 09' 30" West a distance of 5,182 feet, more or less. The storage capacity of Lake Tahoe is approximately 744,600 AF with a maximum outlet capacity of 2,500 cfs.

**Donner Lake:**

Situate in the SE ¼ of the NE ¼ of Section 18, T. 17N., R. 16E., M.D.M., or from the Dam the Southeast corner of said Section 18 bears South 04° 07' 14" East a distance of 2,981 feet, more or less. The storage capacity of Donner Lake is approximately 9,500 AF with a maximum outlet capacity of 660 cfs.

**Prosser Creek Dam (Reservoir):**

Situate in the NW ¼ of the SW ¼ of Section 30, T. 18N., R. 17E., M.D.M., or from the Dam the southwest corner of said Section 30 bears South 22° 58' 48" West a distance of 2,006 feet, more or less. The storage capacity of Prosser Creek Reservoir is approximately 29,840 AF with a maximum outlet capacity of 1,850 cfs.

**Boca Dam (Reservoir):**

Situate in the SE ¼ of the SW ¼ of Section 21, T. 18N., R. 17E., M.D.M., or from the Dam the southwest corner of said Section 21 bears South 81° 05' 07" West a distance of 2,647 feet, more or less. The storage capacity of Boca Reservoir is approximately 40,870 AF with a maximum outlet capacity of 1,200 cfs.

**Stampede Dam (Reservoir):**

Situate in the NW ¼ of the NW ¼ of Section 28, T. 19N., R. 17E., M.D.M., or from the Dam the northwest corner of said Section 28 bears North 36° 08' 27" West a distance of 636 feet, more or less. The storage capacity of Stampede Reservoir is approximately 226,500 AF with a maximum outlet capacity of 2,740 cfs.

**Independence Lake Dam:**

Situate in the NW ¼ of the SW ¼ of Section 35, T. 19N., R. 15E., M.D.M., or from the Dam the Southwest corner of said Section 35 bears South 20° 06' 47" West a distance of 1,945 feet, more or less. The storage capacity of Independence Lake is approximately 17,500 AF with a maximum outlet capacity of 540 cfs.

# EXHIBIT "C"

The Proposed Place of Use of the Hydroelectric Generation Plants are described as follows:

**Farad Hydroelectric Generation Plant:**
Situate in the Southeast ¼ (SE ¼)of Section 12, T. 18N., R. 17E., M.D.M.

**Fleish Hydroelectric Generation Plant:**
Situate in the Northeast ¼ of the Southeast ¼ (NE ¼ SE ¼) of Section 30, T. 19N., R. 18E., M.D.M.

**Verdi Hydroelectric Generation Plant:**
Situate in the Southeast ¼ (SE ¼) of Section 8, T.19N., R. 18E., M.D.M.

**Washoe Hydroelectric Generation Plant:**
Situate in the Southwest ¼ of the Southwest ¼ (SW ¼ SW ¼) of Section 14, T.19N., R. 18E., M.D.M.

Each Hydroelectric Generation Plant is shown on the map filed with Amended Primary Application No. 76161.

**EXHIBIT "D"**

This secondary use is a non-consumptive use which will be incidental to the use of water released under Secondary Permit No. 78015-01 or Secondary Permit No. 78015-02. The quantity released under one of those Secondary Permits and other water in the River will be used to allow incidental hydroelectric generation at one or more of the four hydro generation plants, Farad, Fleish Verdi or Washoe. Water will be diverted at one or more of the four hydroelectric generation plants' Points of Diversion listed in Exhibit "A" and allowed to flow to each plant through the penstock to the generating facility and returned back to the river at each plant location. The horsepower generated depends on the flow diverted. Listed below is the minimum and maximum horsepower each plant can generate at a maximum and minimum rate of flow diverted.

| Plant | Maximum | Minimum |
|---|---|---|
| Farad | 400 cfs (3,862 hp) | 100 cfs (701hp) |
| Fleish | 327 cfs (3,640 hp) | 100 cfs (798 hp) |
| Verdi | 399 cfs (3321 hp) | 100 cfs (774 hp) |
| Washoe | 396 cfs (2,823 hp) | 100 cfs (731 hp) |

**EXHIBIT "E"**

12. Remarks:

This application is filed as part of the implementation of the operating agreement described in Section 205(a) of Public Law 101-618, which operating agreement is referred to as the Truckee River Operating Agreement. The Secondary is filed to allow incidental hydroelectric power generation with water stored pursuant to Primary Application No. 78015 and released under Secondary Permit No.78015-01 or 78015-02. It is one of several applications for secondary permits under the permit to be issued under Primary Application No. 78015. The quantity of water which may be released and used from storage under this and related secondary permits in any one year will not exceed the amounts allowed by the Truckee River Operation Agreement. The water released under either of these secondary permits may be diverted and used for incidental hydroelectric power generation under this Secondary Permit and in accordance with the Truckee River Operation Agreeemnt. Water used would be returned to the Truckee River for use under the secondary permit under which this water was releaed.

Any secondary permit issued under this application shall enter into effect simultaneously with the entry into effect of the Truckee River Operating Agreement.