



March 3, 2015

Ms. Ester Ceja
Idaho Department of Environmental Quality
Water Quality Division
1410 N. Hilton
Boise, ID 83706

Re: Burley Water Improvement Project – Request for Categorical Exclusion

Dear Ms. Ceja:

The purpose of this letter is to request a Categorical Exclusion determination for the City of Burley, Idaho proposed project which consists of installing a new booster pump within an existing building (project 1A in attached figure), possible expansion of said building, and maintenance activities on two of the City's storage tanks (projects 1B and 1C in attached figure). These maintenance activities include replacing a manway door at 1B and refinishing 1C reservoir's ceiling, along with tank cleaning at both locations. The City is in the final planning phase of developing a Water Master Plan. The highest priority improvements identified in the master plan could be fully or partially funded by the Drinking Water State Revolving Loan Fund. The included responses from Idaho Department of Water Resources (IDWR) and the Idaho State Historical Society (ISHS) are that the project has no direct or indirect anticipated environmental impacts.

This proposal is eligible for categorical exclusion because actions are solely directed toward minor rehabilitation of existing facilities, functional replacement of equipment, or the construction of new ancillary facilities adjacent or appurtenant to existing facilities. The project is not known or expected to affect cultural resource sites; endangered or threatened species or their habitats; environmentally important natural resource areas such as floodplains, wetlands, important farmlands, aquifer recharge zones; or other resource areas identified in supplemental guidance issued by DEQ. In addition, these facilities would not provide capacity to serve a population projected to grow at a rate 25% in excess of the 20-year population growth expectations for the state of Idaho.

Public participation was included in the process by conducting a public hearing/city council meeting on January 6th, 2015. This meeting was advertised both with the local newspaper *Times-News* on December 11 and 18, 2014, and with a City of Burley website advertisement under their "Bids and Legal Advertisements" section of the website. These notices were printed in both English and Spanish. Bilingual advertisements were also sent with water bills in December 2014.

Supporting documentation for the Categorical Exclusion is included. If you have any questions concerning this proposed project or if you need any further information, please feel free to contact me in our Meridian office at 208-288-1992 or email to mbreuer@kellerassociates.com at your convenience.

Sincerely,

KELLER ASSOCIATES



Marliese von Huene, E.I.
Project Engineer

- Encl:
1. Burley, ID Recommended Water System Improvements Figure
 2. Comment Request Letter to IDWR
 3. Response from IDWR
 4. Comment Request Letter to ISHS
 5. Response from ISHS
 6. Burley Public Hearing/City Council Sign-in Sheet
 7. Public Hearing/City Council Meeting Minutes
 8. Public Notices – Newspaper and Webpage

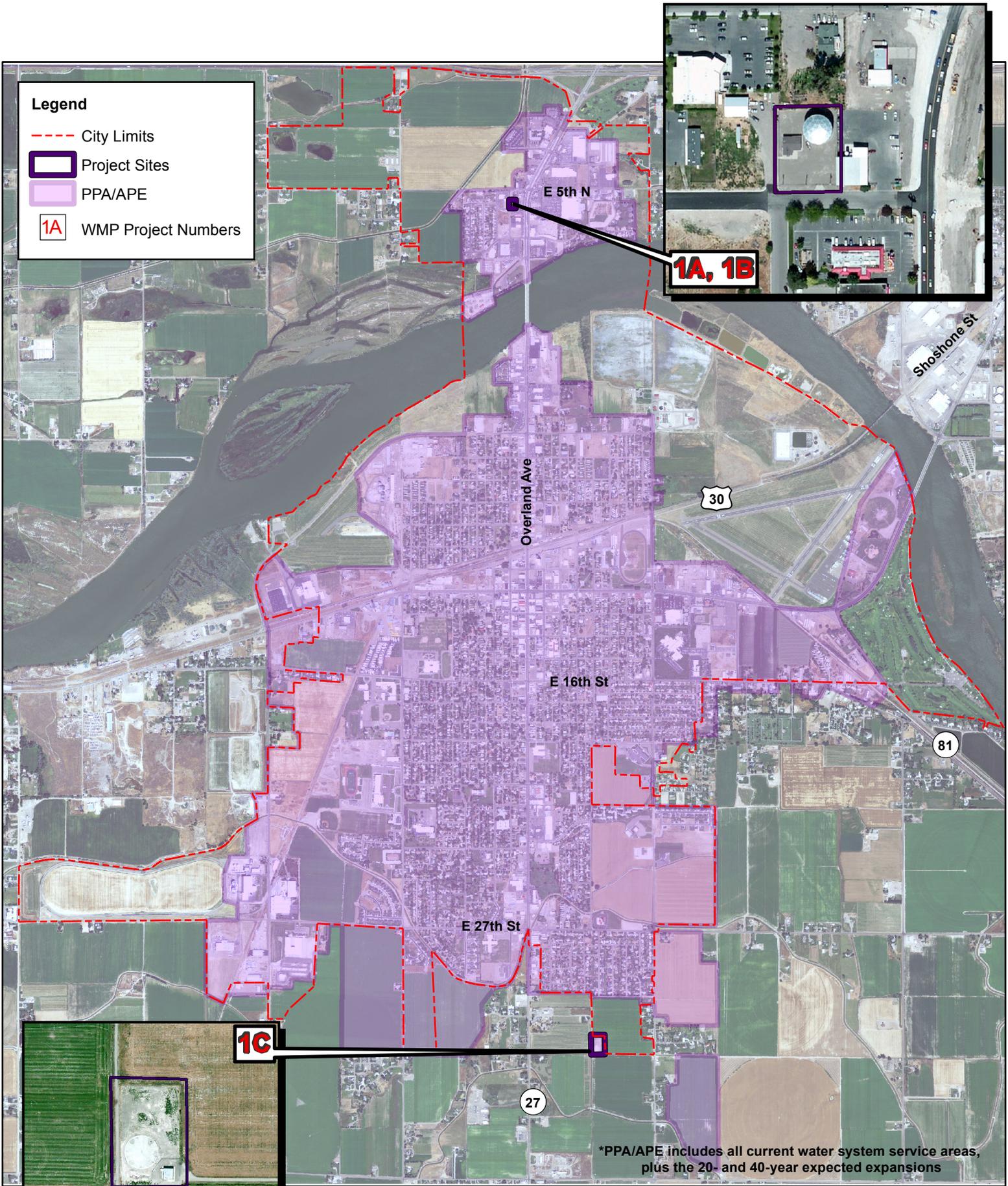
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1.

**Recommended Water System
Improvements Figure**

Legend

-  City Limits
-  Project Sites
-  PPA/APE
-  WMP Project Numbers



*PPA/APE includes all current water system service areas, plus the 20- and 40-year expected expansions

City of Burley, ID

2. & 3.

IDWR Correspondence

Marliese von Huene

From: Marliese von Huene
Sent: Monday, January 26, 2015 2:56 PM
To: 'Keri.sigman@idwr.idaho.gov'
Cc: Roland Rocha
Subject: Burley, ID Environmental Information Document
Attachments: 15-029 Ltr ISHS_Agency Consultation_01-26-2015.pdf

Keri,

Attached is a request for comments for a DEQ Environmental Information Document. This EID is on the subject of the proposed City of Burley water system improvements. Along with the project descriptions is a map of the proposed project areas and surrounding area. Your comments and questions can be sent back to me via email if that would be easiest for you.

Thank you and have a nice week,

Marliese von Huene (Breuer), E.I.
Project Engineer | Keller Associates, Inc.

P 208.288.1992 | C 208.559.7979
131 SW 5th Avenue, Suite A | Meridian | Idaho 83642
mvonhuene@kellerassociates.com | www.kellerassociates.com



January 26, 2015

Keri Sigman
Idaho Department of Water Resources
PO Box 83720
Boise, ID 83720

Re: **Burley Water Improvement Project – Request for Comments for Preparation of an Environmental Information Document**

The City of Burley, Idaho is in the final planning phase of developing a Water Master Plan. The highest priority improvements identified in the master plan could be fully or partially funded by the Drinking Water State Revolving Loan Fund. The purpose of this letter is to request your review and response regarding potential environmental impacts that your agency may identify for these proposed projects pursuant to the Idaho Department of Environmental Quality's State Environmental Review Process, which mirrors the National Environmental Policy Act.

The proposed project consists of installing a new booster pump to address firm capacity shortfalls, and maintenance activities on two of the City's storage tanks.

Most water is delivered from the City's storage reservoirs to their customers via three booster pump stations in two pressure zones. DEQ requires that the system deliver the greater of peak hour demands or maximum day demands plus fire demands with the system's firm delivery capacity. Additional pumping capacity is required for the north zone booster station to meet this demand.

The other improvements are storage tank repairs that include repair or replacement of tank components.

These projects are being proposed to comply with DEQ firm capacity requirements and ensure storage tanks are useable in the future. More details on the project's locations can be found on the enclosed map of the proposed project planning area (see Figure 1).

If you have any questions concerning this proposed project or if you need any further information, please feel free to contact me in our Meridian office at 208-288-1992 or email to rrocha@kellerassociates.com at your convenience.

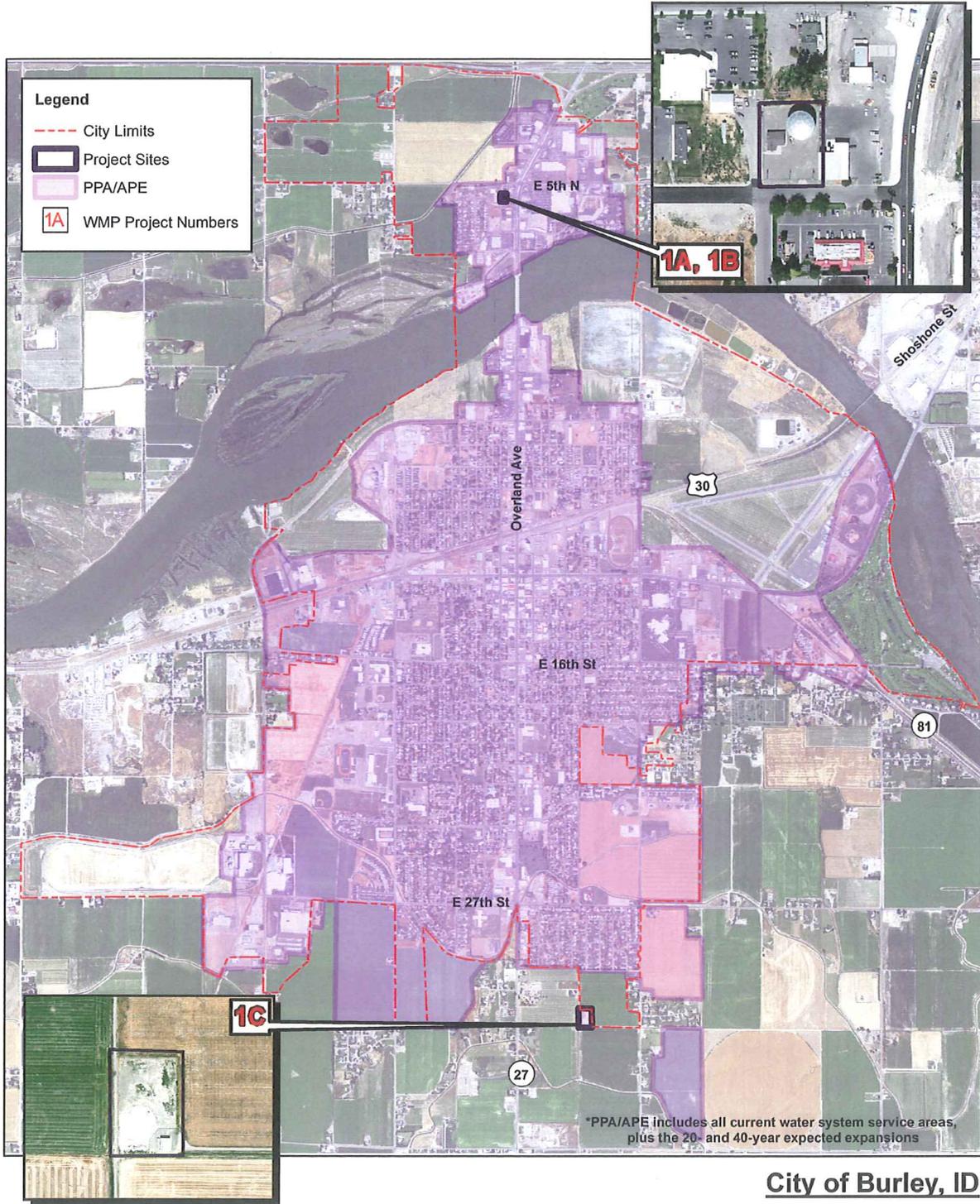
Sincerely,

KELLER ASSOCIATES

Roland Rocha, P.E.
Project Engineer

Encl: Figure 1 – Burley, ID Recommended Water System Improvements
cc: File

Figure 1:
Burley, ID Recommended Water System Improvements



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State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

Roland Rocha, P.E.
Project Engineer
131 SW 5th Avenue, Suite A
Meridian, ID 83642

February 25, 2015

Re: Burley Water Improvement Project – Request for Comment for Preparation of an Environmental Information Document

Dear Mr. Rocha,

This is a letter in response to the development review received by IDWR on January 26, 2015. The subject area in which development will occur regarding the Burley Water Improvement Project is not located within a Special Flood Hazard Area (SFHA). So long as the development continues outside the mapped SFHA, IDWR has no comments regarding environmental concerns.

Please let me know if you have any additional questions. Thank you for the opportunity to comment and for giving notice of the proposed development.

A handwritten signature in black ink that reads "Keri K. Smith-Sigman". The signature is written in a cursive, flowing style.

Keri K. Smith-Sigman, CFM
Idaho State Floodplain
Coordinator 208-287-4928
keri.sigman@idwr.idaho.gov

Cc: Gary Pawson (City of Burley Floodplain Administrator)

4. & 5.

ISHS Correspondence

Marliese von Huene

From: Marliese von Huene
Sent: Monday, January 26, 2015 2:58 PM
To: 'ethan.morton@ishs.idaho.gov'
Cc: Roland Rocha
Subject: Burley, ID Environmental Information Document
Attachments: 15-028 Ltr IDWR_Agency Consultation_01-26-2015.pdf

Ethan,

Attached is a request for comments for a DEQ Environmental Information Document. This EID is on the subject of the proposed City of Burley water system improvements. Along with the project descriptions is a map of the proposed project areas and surrounding area. Your comments and questions can be sent back to me via email if that would be easiest for you.

Thank you and have a nice week,

Marliese von Huene (Breuer), E.I.
Project Engineer | Keller Associates, Inc.

P 208.288.1992 | C 208.559.7979
131 SW 5th Avenue, Suite A | Meridian | Idaho 83642
mvonhuene@kellerassociates.com | www.kellerassociates.com



January 26, 2015

Ethan Morton
Idaho State Historical Society
210 Main Street
Boise, ID 83702

Re: Burley Water Improvement Project – Request for Comments for Preparation of an Environmental Information Document

The City of Burley, Idaho is in the final planning phase of developing a Water Master Plan. The highest priority improvements identified in the master plan could be fully or partially funded by the Drinking Water State Revolving Loan Fund. The purpose of this letter is to request your review and response regarding potential environmental impacts that your agency may identify for these proposed projects pursuant to the Idaho Department of Environmental Quality's State Environmental Review Process, which mirrors the National Environmental Policy Act.

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These projects are being proposed to comply with DEQ firm capacity requirements and ensure storage tanks are useable in the future. More details on the project's locations can be found on the enclosed map of the proposed project planning area (see Figure 1).

If you have any questions concerning this proposed project or if you need any further information, please feel free to contact me in our Meridian office at 208-288-1992 or email to rocha@kellerassociates.com at your convenience.

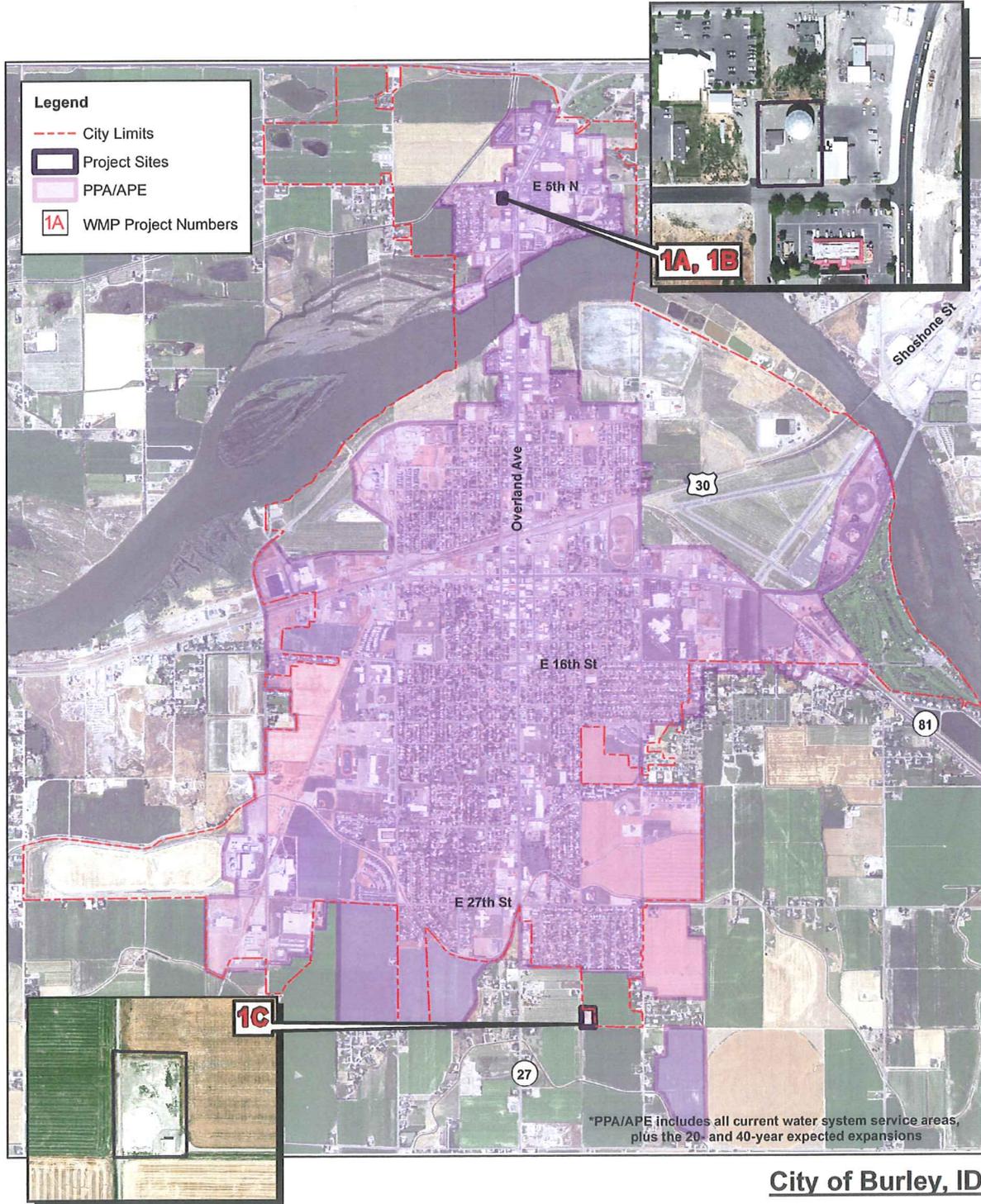
Sincerely,

KELLER ASSOCIATES

Roland Rocha, P.E.
Project Engineer

Encl: Figure 1 – Burley, ID Recommended Water System Improvements
cc: File

Figure 1:
Burley, ID Recommended Water System Improvements



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C.L. "Butch" Otter
Governor of Idaho

Janet Gallimore
Executive Director

Administration
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 334-2682
Fax: (208) 334-2774

Membership and Fund
Development
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 514-2310
Fax: (208) 334-2774

Historical Museum and
Education Programs
610 North Julia Davis Drive
Boise, Idaho 83702-7695
Office: (208) 334-2120
Fax: (208) 334-4059

State Historic Preservation
Office and Historic Sites
Archeological Survey of Idaho
210 Main Street
Boise, Idaho 83702-7264
Office: (208) 334-3861
Fax: (208) 334-2775

Statewide Sites:
• Franklin Historic Site
• Pierce Courthouse
• Rock Creek Station and
• Stricker Homesite

Old Penitentiary
2445 Old Penitentiary Road
Boise, Idaho 83712-8254
Office: (208) 334-2844
Fax: (208) 334-3225

Idaho State Archives
2205 Old Penitentiary Road
Boise, Idaho 83712-8250
Office: (208) 334-2620
Fax: (208) 334-2626

North Idaho Office
112 West 4th Street, Suite #7
Moscow, Idaho 83843
Office: (208) 882-1540
Fax: (208) 882-1763



Historical Society is an
Equal Opportunity Employer.

TO: Roland Rocha, P.E., Keller Associates

DATE: 2/17/2015

IDAHO SHPO REV#: 2015-314

FEDERAL AGENCY: Environmental Protection Agency

PROJECT NAME: Burley Water Improvement Project

PROJECT LOCATION: NE ¼ Section 32, NW ¼ Section 17; Township 10S, Range 23E, City of Burley, Cassia County, Idaho

Step 1: Initiate the Section 106 Process (36 CFR 800.3)

<input checked="" type="checkbox"/>	Establish Undertaking
<input checked="" type="checkbox"/>	Notify Idaho SHPO (30 days to respond)
<input type="checkbox"/>	Identify tribes and other consulting parties Include certified local governments if appropriate:
<input type="checkbox"/>	Involve the Public
<input type="checkbox"/>	No undertaking/potential to cause effects. (Section 106 concluded).
	Justification:
<input checked="" type="checkbox"/>	Undertaking may affect <i>historic properties</i> (proceed to Step 2)
<input checked="" type="checkbox"/>	Idaho SHPO internal review
<input type="checkbox"/>	Recommend independent study by a qualified consultant: http://www.preservationidaho.org/resources/cultural-resources-consultants

Step 2: Identify Historic Properties (36 CFR 800.4)

<input checked="" type="checkbox"/>	Determine Areas of Potential Effect (direct, indirect, and cumulative)
<input checked="" type="checkbox"/>	Identify <i>historic properties</i> (archival research, reconnaissance, inventory)
<input checked="" type="checkbox"/>	Present: 10CA862/Oregon Trail/California Trail
<input checked="" type="checkbox"/>	Consult with Idaho SHPO
<input checked="" type="checkbox"/>	No <i>historic properties</i> present/affected (Section 106 concluded).
	Justification: The Oregon/California is depicted as going through the general area near the undertaking in Section 32. This portion of the trail is not extant and has been obliterated by agriculture and development. There are no known <i>historic properties</i> in the area of potential effect and the likelihood of any undiscovered <i>historic properties</i> that could be adversely affected is very low due to the undertakings location in a significantly disturbed area.
<input type="checkbox"/>	Potential Adverse Effects to <i>historic properties</i> (proceed to Step 3)

Additional information on the Section 106 process can be found here: <http://www.achp.gov/flowexplain.html>

Thank You,

Ethan Morton, Idaho State Historic Preservation Office

6., 7. & 8.

Public Involvement

**Sign-In Sheet for the Public Hearing on the Burley Water Master Plan Update
January 6, 2015.**

The Idaho Department of Environmental Quality (DEQ) will review the potential environmental impacts resulting from the proposed capital improvements discussed in this public hearing. Following their review, DEQ would like to send you a postcard notification of their findings. If you would like to receive this notification, please provide your full mailing address. The information you provide will become part of the final published public document.

Name	Full Mailing Address
Bryan Reiter	City of Burley Burley, ID 1559 Albion Avenue 83318
Mark Mitton	City of Burley P.O. Box 1090 Burley
Julie Woodford	City of Burley 1300 Miller, Burley
Chris Jensen	CASSIA SHERIFFS OFFICE 129 E 14th ST. Burley
Brent Winn	City of Burley 131 E Hwy 81 Burley 83318
Gary Pawson	1400 Albion Ave Burley 83318
Justin Kay	2001 Hansen Ave. Burley, 83318
C. C. Hill	748 E. 17th St, Burley ID 83318
Kelby Olson (kelbyj.olson)	803 E 17th St. Burley, ID 83318
Jay Lenkersdorfer	350 West 25th Burley, ID 83318

Continue on back if needed

Comment Form for the Public Hearing on the Burley Water Master Plan Update
January 6, 2015.

We want to know what you think. Please provide any comments or questions here. If you would like to receive a written response, please provide your full mailing address. Otherwise, a response along with your original comment or question will be included in the final master plan document. Any information you provide here will be published as part of the final public document.

Name:	Full Mailing Address:
Comment or Question:	

Continue on back if needed

**BURLEY CITY COUNCIL MEETING
CITY HALL
JANUARY 6, 2015**

COMMENCE MEETING

Council met in regular session at 7:00 p.m. with Mayor Smedley presiding. Council members present were: Mark Fillmore, John Craner, Randy Hawkins, Bryce Morgan, Russ Mallory and Casey Andersen.

City Staff present were as follows: City Administrator Mark Mitton, City Clerk Melanie Haynes, Attorney Dave Shirley, Sexton Dave Allred, Golf & Parks Director Brent Winn, Building Inspector and Facilities Manager Gary Pawson, Deputy George Warrell, Librarian Julie Woodford, Engineer Bryan Reiter, Electric Supervisor Brent Wallin and Wastewater Treatment Plant Director Dee Hodge. Sgt. Jensen was also in attendance.

INVOCATION

The Invocation was offered by Council member Morgan followed by the pledge to the Flag.

CONSENT CALENDAR

1. Items on the Consent Calendar are considered to be routine and enacted by one motion. Any item may be removed for discussion and made a part of the regular agenda at the request of a member of the Council. Any request shall be made after the City Clerk reads the Consent Calendar and before action is taken.

a. APPROVAL OF MINUTES FROM REGULAR AND SPECIAL MEETINGS

b. BILLS PAYABLE \$649,270.05.

c. PAYROLL ENDING ON 12/26/2014 FOR \$ 158,778.62.

BUILDING PERMITS:

Habitat for Humanity	1258 Normal	Single Family Dwelling	\$83,250.00
Impact Athletic	1150 E 16 th	Alteration	\$10,000.00

A motion was made by Council member Hawkins and seconded by Council member Andersen to accept the Consent Calendar as written

Roll Call Vote:

Fillmore	Aye	Craner	Aye	Morgan	Aye
Hawkins	Aye	Andersen	Aye	Mallory	Aye

Motion carried.

PATRON FACILITY COMMITTEE

Debbie Critchfield, Jolene Graham and Eric Bedke addressed the Council and presented the following information:

Committee Members

Eric Bedke-Chair	Kevin Welch	Jeff Rasmussen
Adam Haynes- Chair	Jolene Graham	Hal Jensen
Kelly Bowen	Dee Darrington	Debbie Critchfield
Darin Moon	Rick Wrigley	Matt Payton
Melissa Morgan	Shabree Moss	Rob Wybenga
CeLes Hawkes	Jon Searle	Tyler Hepworth
Jamee Garrad	Brooke Christensen	Trent Anderson
Scott Yates	Chelsey Loughmiller	Ben Hardy
Chad Black	Jen Meredith	Scott Hitt

PFC Timeline

First meeting April 2014
Tour of all School Facilities May 2014
Sub-committees meet with Hal Jensen, Architect June-July 2014
Full committee August 2014
Full committee September 2014
Meet with Zion's Vice President October 2014
Full Committee finalizes recommendations October 2014
Board Tours schools November 2014
Board and Committee finalize recommendations November 2014
Board passes Resolution for March 10 Election December 12, 2014

Recommended Construction

Raft River

1. New JR/SR High School	5,700,000.00
2. New AG Building	350,000.00
3. Demo	200,000.00
Subtotal:	6,250,000.00

Oakley

1. Classrooms Addition & Commons Remodel & Gym	4,800,000.00
2. New AG Building	350,000.00
3. Demo	200,000.00
Subtotal:	5,350,000.00

Declo

1. Jr. High Commons Remodel & Addition & Mechanical Electrical upgrade	1,500,000.00
2. New Elementary School	5,200,000.00
3. Demo	100,000.00
Subtotal:	6,800,000.00
Recommended Construction Cont'd	
<u>Burley</u>	
1. New Elementary School	8,400,000.00
2. Dworshak Mechanical & Electrical Upgrade & Car/Pedestrian Drop off & Multi Purpose room	1,550,000.00
3 Mountain View Elementary Remodel	1,400,000.00
4 White Pine Car/Pedestrian Drop off & Remodel	550,000.00
5 Burley Junior High Classrooms (6) & Mechanical Upgrade	1,650,000.00
6 Burley High School Classroom (3) & Science Addition	1,100,000.00
7 Miscellaneous Furnishings –BJHS & Sr. High	100,000.00
(recommend Burley schools in a K-6 configuration.)	
Subtotal:	14,750,000.00
Total Construction Costs:	33,150,000.00
Fees & Permits:	2,300,000.00
Contingency:	1,500,000.00
Total Construction	36,950,000.00
Maintenance Savings from Plant Facility	
Savings on scheduled projects in next 8 year cycle:	\$735,000.00
Savings of projects awaiting funds at the end of the ten year cycle :	\$5,657,545.00
Finances:	
20 year Term	
State Pays 18% of total cost	
Interest Rate is under 4%	
'96 Bond last assessed in Dec '15	
What is this going to cost me?	
Take your taxable value (found on tax assessment) and multiply it by .002405945	

This gives you the total amount per year you would pay for ALL school levies.
(ex: 200K home pays increase of \$1.69/month)

Bond : 0.001248379

Plant Facility : 0.000645484

Supplemental: 0.000512082

Tax Impact Analysis

2014-15 Planned Levy Amounts		Full Taxable Property Value	Homeowner's Exemption ¹	Net Taxable Property Value	Annual Tax Impact	Monthly Tax Impact
Bond Levy	1,899,676	\$ 75,000	\$ 37,500	\$ 37,500	\$ 6.88	\$ 0.57
Plant Levy	1,000,000	100,000	50,000	50,000	9.18	0.76
Supp. Levy	84,767	125,000	62,500	62,500	11.47	0.96
Combined	2,984,443	150,000	75,000	75,000	13.77	1.15
2014-15 BLEP Index		175,000	87,500	87,500	16.06	1.34
Index	0.820779	200,000	89,580	110,420	20.27	1.69
Subsidy	17.92%	250,000	89,580	160,420	29.44	2.45
2014-15 Net Taxable Value		300,000	89,580	210,420	38.62	3.22
	1,198,413,370	350,000	89,580	260,420	47.80	3.98
Net Debt Service Estimates ²		Tax Impact for Businesses				
Current Payment	1,899,676	\$ 100,000	\$ -	\$ 100,000	\$ 18.35	\$ 1.53
Max New Payment	2,119,641	200,000	-	200,000	36.71	3.06
Gross Increase	219,965	300,000	-	300,000	55.06	4.59

¹ 2015 Maximum homeowner's exemption is \$89,580

² Figures shown are net of BLEP subsidies

Agricultural Tax Impact

2014-15 Net Taxable Value	Agricultural Land Category	Avg. Value per Acre ¹	Annual Impact
1,198,413,370	CAT. 1 - IRRIGATED AG. LAND	593	0.11
Overall Tax Impact	CAT. 2 - IRRIGATED PASTURE LAND	375	0.07
Annual Increase 219,965	CAT. 3 - NON-IRRIGATED AG. LAND	168	0.03
	CAT. 4 - MEADOW LAND	-	-
	CAT. 5 - DRY GRAZING LAND	36	0.01

¹ Averages shown are county-wide within Cassia County. Figures provided by Cassia County Assessor.

Just a couple other things...

We believe that teachers should be paid more money! Construction Bond money cannot be used for salaries. The committee will be an advocate with our legislators for increased pay.

FAQ sheet on the district website (hiring teachers, growth patterns, committee info, etc.) Lots of good information. Look under the "BOND INFO" tab

Growth, current and future needs and security issues were the driving factors of the recommendations.



This is the slogan adopted by the committee. Don't take our word for it! Go see for yourself. The NEEDS are REAL!

GERALD EGAN ANNEXATION

Building Inspector Gary Pawson addressed the Council in regards to the annexation of some property for Gerald Egan. He said it is on 21 Street and the recommendation has gone through Planning and Zoning and they have approved it to move on to the Council. He said it is contiguous with Hiland Height subdivision.

A discussion followed with questions being asked by the Council.

City Administrator Mark Mitton said these requested annexations are the easiest to do because the people have requested the annexation.

A motion was made by Council member Fillmore and seconded by Council member Morgan to proceed with the process for annexation.

Roll Call Vote:

Morgan	Aye	Hawkins	Aye	Andersen	Aye
Mallory	Aye	Fillmore	Aye	Craner	Aye

Motion carried.

BUSINESS LICENSES

Attorney Dave Shirley addressed the Council in regards to the business licenses and he presented them with a draft Ordinance for them to consider and make suggestions to. He said there was not a provision in the Ordinance for existing businesses as they would be grandfathered in unless they change the business.

A discussion followed with suggestions and questions from the Council.

City Administrator Mark Mitton said they get calls all the time about whether they need a license to open a business. He said the way it is now they would do a lot of work and still not be able to bring it up to code and we would have to shut them down.

A motion was made by Council member Craner and seconded by Council member Mallory to table the draft Ordinance on business Licenses until the next meeting.

Roll Call Vote:

Andersen	Aye	Fillmore	Aye	Mallory	Aye
Craner	Aye	Morgan	Aye	Hawkins	Aye

Motion carried.

BURLEY BUTTE EASEMENT FOR AMERICAN TOWER

Attorney Dave Shirley addressed the Council in regards to an easement request from American Tower to upgrade their tower they rent from the City. He said the easement goes through City property and he and Mr. Reiter have reviewed the document.

A discussion followed.

A motion was made by Council member Craner and seconded by Council member Hawkins to approve the easement and authorize the Mayor to sign the document.

Roll Call Vote:

Fillmore	Aye	Mallory	Aye	Craner	Aye
Morgan	Aye	Hawkins	Aye	Andersen	Aye

Motion carried.

STRATEGIC PLAN-WATER SYSTEM MASTER PLAN PUBLIC HEARING

City Administrator Mark Mitton addressed the Council and said they have advertised for a public hearing tonight on the Water Master Plan and we have some Keller Associates that will give us an overview of the plan.

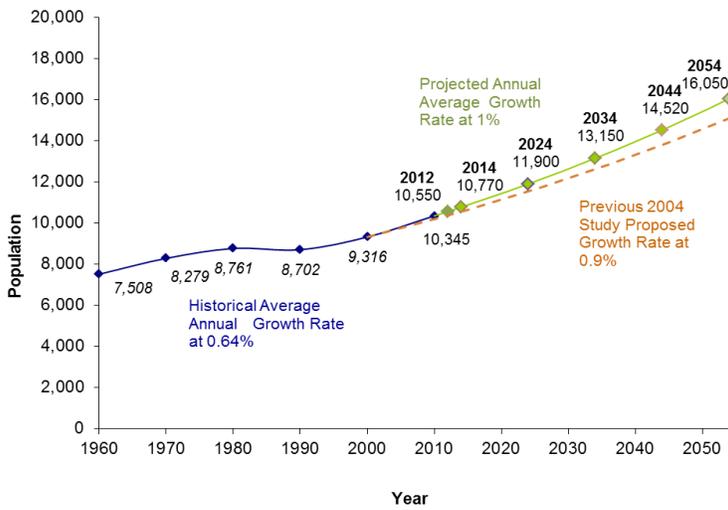
City Engineer Bryan Reiter addressed the Council and introduces Roland Rocha and James Bledsoe from Keller Associates addressed the Council and presented the following information on the Potable Water Master Plan:

Potable Water Master Plan

General Planning

Project Objectives

- Provide updated calibrated hydraulic model
- Establish performance standards
- Evaluate the system against standards
- Identify deficiencies



updated master plan

Planning Horizon	Year	Pop.	Estimated Service Area (acres)	Growth from Current (acres)	Average Density * (people/ac)
Existing System	2012	10,550	2,377	-	4.44
20-year Horizon	2032	12,890	2,904	527	4.44
Infill of City Limits	2068	18,401	4,146	1,769	4.44
Build-out of Impact Area	2169	50,373	11,350	8,973	4.44

**System Understanding`
System Overview**

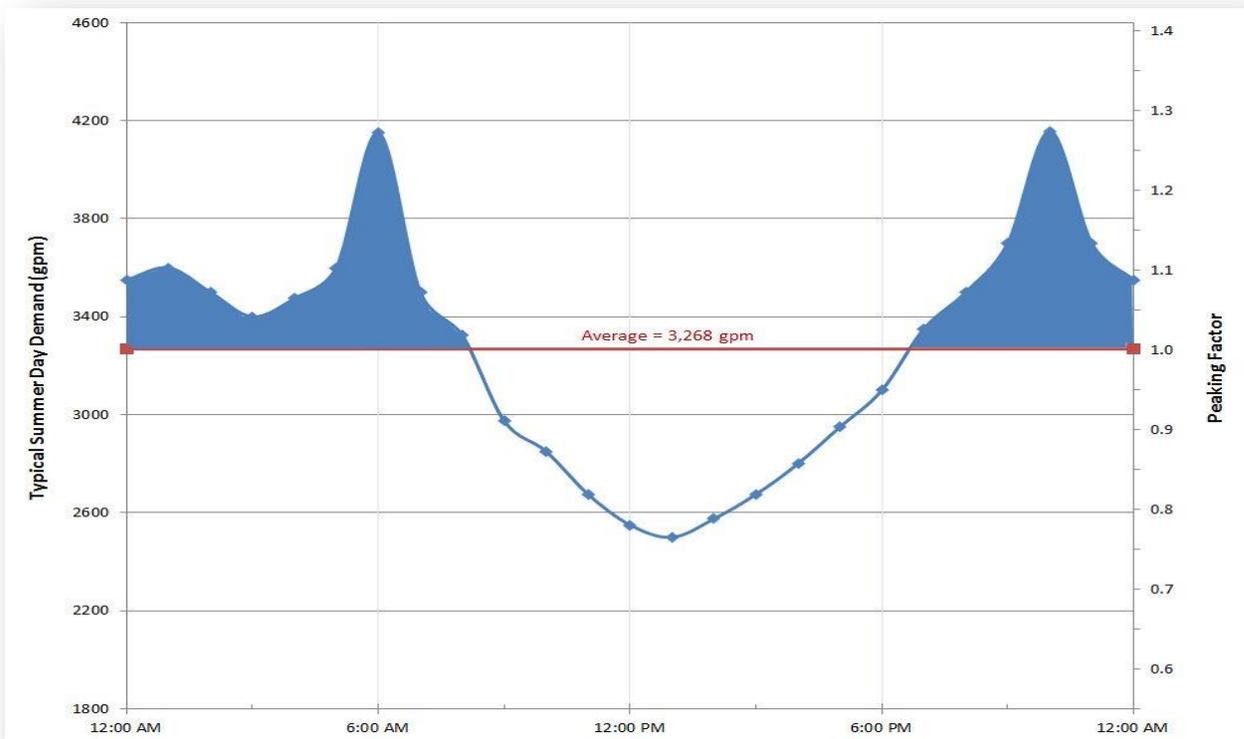
- 2 pressure service areas
- 72 miles of pipe
- 6 wells
- 3 booster stations
- 3 storage tanks

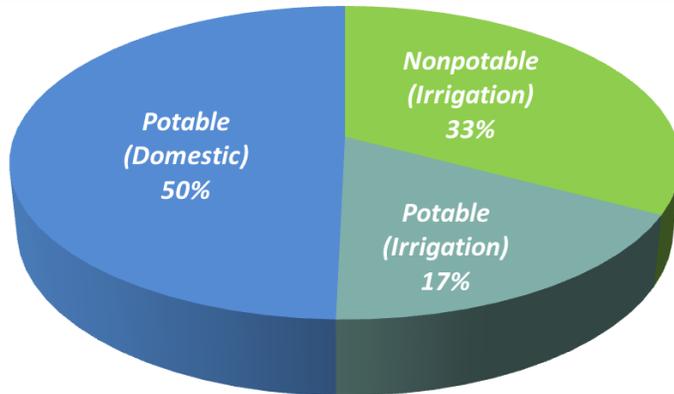
Establishing Performance Standards

Planning Criteria	Recommended Keller Assoc. (2014)
Pressures	
Min pressure at max hour demand, psi	40
Minimum pressure during fire event, psi	20
Maximum pressure – new development, psi	80
Backup Source	

Standby Power?	Yes
Delivery peak demands with largest pump out of service?	Yes
Storage	
Equalization storage	Calculated
Operational	15% of each reservoir
Fire storage	4,500 gpm for 4 hours
Emergency storage	Offset by wells with standby power

System Evaluation
Existing Conditions – Water Usage





	Planning Criteria (gpcd)	Peaking Factor	2014	2024	2034	2044	2054
Projected Population:	-	-	10,770	11,900	13,140	14,510	16,030
			(gpm)				
Annual Average Day	292	1.0	2,184	2,917 ^c	3,723 ^c	4,615 ^c	5,599 ^c
Average Summer Day	450	1.54	3,366	4,496	5,740	7,114	8,627
Max Day	747	2.56	5,587	7,462	9,527	11,810	14,327
Peak Hour ^a	948	3.25	7,090	9,470	12,091	14,984	18,178
MDD+Fire ^b	-	-	10,087	11,962	14,027	16,310	18,827

^a Peak Hour = 1.27 * Max Day; based on peak summer day SCADA data

^b Reflects 4,500 gpm Fire Demand, per City's existing commitment to select industries

^c Includes an additional 500 gpm every 10 years for new industries (beyond that already included in the planning criteria per capita demand).

^d All projections assume current ratio of potable/nonpotable irrigation connections remain constant.

System Evaluation Supply and Demand

Supply Evaluation	Area North of River (gpm)	Area South of River (gpm)	Total System (gpm)
TOTAL CAPACITY	1,100	9,400	10,500
Total Firm Supply*	0	5,900	7,000
2014 Max Day Demand**	570	5,017	5,587
2014 Shortfall/Excess	570	883	1,413
2034 Max Day Demand**	696	8,831	9,527
2034 Shortfall/Excess	696	2,931	2,527

Conclusion

City has sufficient supply to meet current demands but not projected 20-year future demands

Water Rights

Recommendations

- Consolidate existing water rights
- System Evaluation
- Storage – Existing & Future Needs

Conclusion

- City has adequate storage volume
- In future, City should consider adding storage to improve service to industrial area in south west Burley
- Tank repairs are needed at Well 4, 5, and Gossner sites

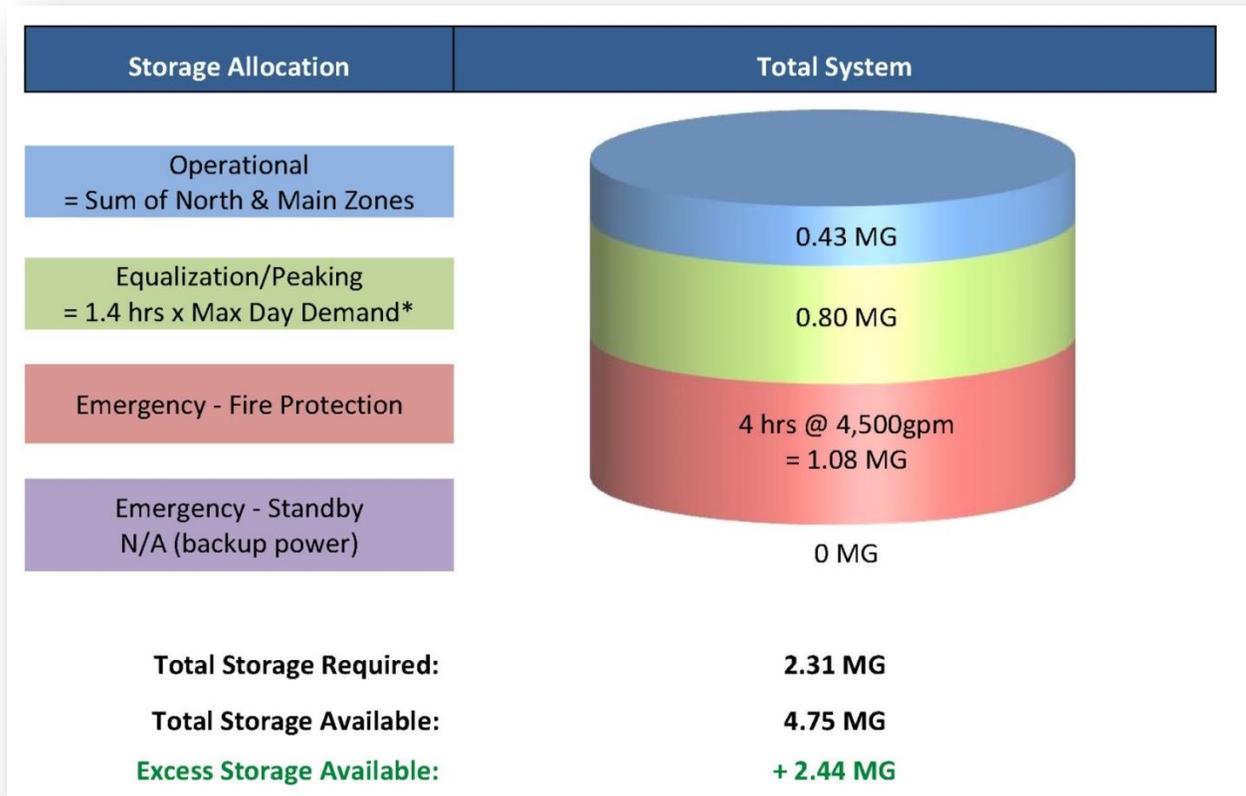
Conclusion

City has adequate storage volume

In future, City should consider adding storage to improve service to industrial area in south west Burley

Tank repairs are needed at Well 4, 5, and Gossner sites System Evaluation

Booster Stations



System Evaluation

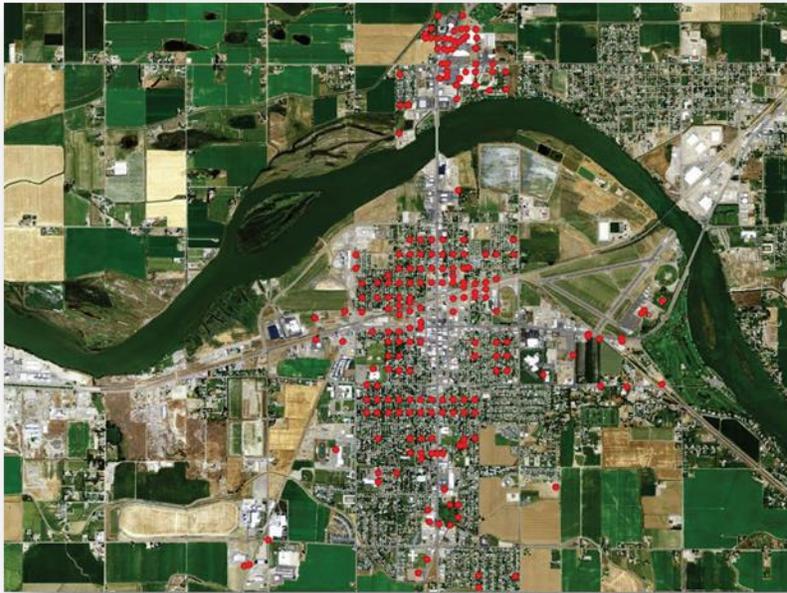
Booster Stations

Delivery Evaluation	Area North of River* (gpm)	Area South of River* (gpm)	Total System (gpm)
Total Capacity	5,700	15,050	20,750
Total Firm Delivery	1,700 (3,000)	11,050 (13,450)	16,750
2014 MDD + Fire Flow**	3,570	9,517	10,087
2014 Shortfall/Excess	1,870 (570)	1,533 (3,933)	6,663
2034 MDD + Fire Flow**	3,696	13,331	14,027
2034 Shortfall/Excess	1,996 (696)	2,281 (119)	2,723

* values in parentheses indicate adjusted capacities including flow through the PRV from the other zone

Conclusion

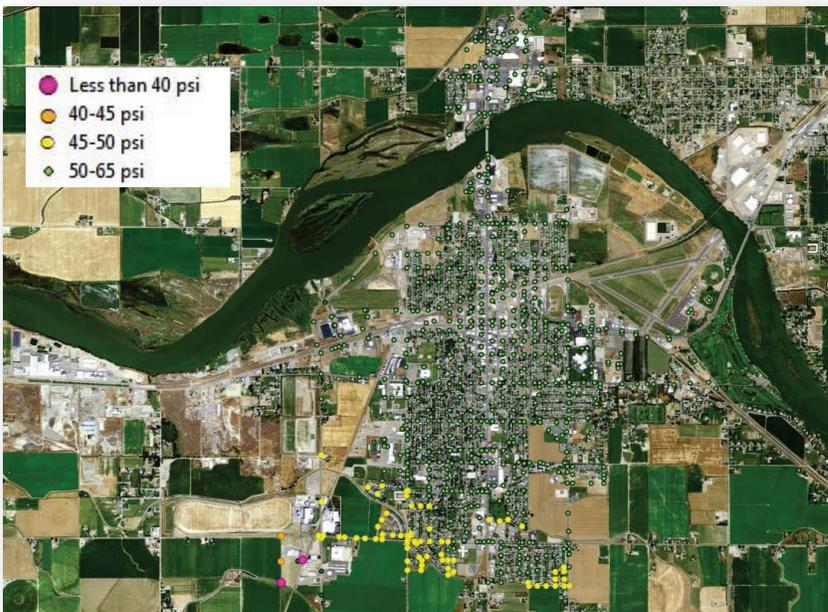
- City has adequate booster delivery capacity. However, additional capacity is needed to service growth to south and provide improved pressures to industrial park
- Well 4 booster station is old and inefficient and needs to be replaced
- System Evaluation
- Existing Conditions – Hydraulic Deficiencies



System Conditions

- Many low fire protection areas – mostly in older areas where smaller pipes exist
- 22% of City’s pipelines are 4-inch or smaller

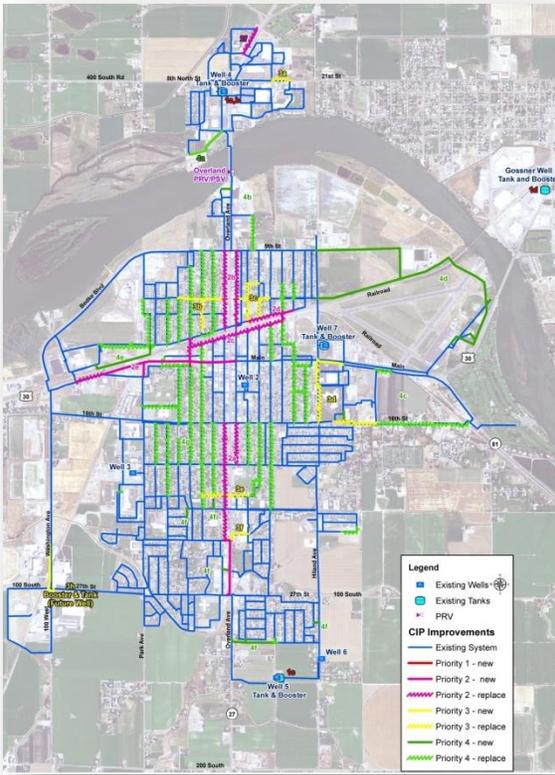
System Evaluation Existing Conditions – Hydraulic Deficiencies (continued)



System Conditions

- Area near industrial park gets less than desired pressures

Water Master Plan



Many improvements needed to correct fire flow deficiencies

Projects labeled by priority

Project sheets and 6-year CIP developed to assist with future budgeting

Identify – Prioritize Solutions

Priority 1 Improvements

Prioritization Criteria

PRIORITY 1

Well and Tank Improvement Needs

PRIORITY 2

Improve fire protection pipelines to commercial

PRIORITY 3

Additional fire protection pipelines, new well, and pressure zone

PRIORITY 4

Growth related improvements

ID	Description	Probable Cost ^{a,c}
Priority 1 Improvements (~ 5 yrs)^b		
1A	Well 4 Booster Station Upgrade	\$ 473,000
1B	Well 4 Tank Repairs	\$ 61,000
1C	Well 5 Tank Repairs	\$ 112,000
1D	Gossner Tank Painting and Improvements	\$ 284,000
Total Priority 1 Improvements		\$ 930,000
Priority 2 Improvements (5-10 yrs)^b		
2A	New S. Overland Mainline & Couplet Replacement	\$ 1,525,000
2B	New N. Overland Mainline Couplet Replacement	\$ 715,000
2C	4-inch Intertie Replacement (RR South)	\$ 698,000
2D	4-inch Intertie Replacement (RR North)	\$ 387,000
2E	New W. Main Mainline	\$ 2,146,000
2F	Burley Inn Mainline Replacement	\$ 161,000
Total Priority 2 Improvements		\$ 5,632,000
Priority 3 Improvements (10-15 yrs)^b		
3A	6-inch Replacement Mainline	\$ 106,000
3B	New Intertie and 4-inch Replacement	\$ 431,000
3C	New Interties and 4-inch Replacement	\$ 452,000
3D	6-inch Replacement near Hospital	\$ 896,000
3E	New Intertie	\$ 288,000
3F	New Intertie	\$ 121,000
3G	New Well (by 1,413 gpm increase in MDD; est. in year 2024)	\$ 1,503,000
3H	Creation of South Pressure Zone – New Booster Station	\$ 1,542,000
Total Priority 3 Improvements		\$ 5,339,000
Priority 4 Improvements (15-20+ yrs)^b		
4A	New North Industrial Park Loop	\$ 206,000
4B	N. Overland Industrial Loops	\$ 282,000
4C	6-inch Replacement, Commercial Loop	\$ 685,000
4D	New Airport & Treatment Plant Loops	\$ 2,461,000
4E	Stockyard Loop	\$ 317,000
4F	SE Residential Fire Flow Loop & 4-inch Replacement	\$ 267,000
(4G)	4-inch Replacement Program	\$ 6,927,000
Total Priority 4 Improvements		\$ 11,145,000
TOTAL (rounded)		\$ 23,046,000

Long-Term Planning

Component	Annual Budget	Comments
Replacement Budgets		
Undersized (≤4-inch) Pipelines	\$197,424	~1,650 ft per year, 30-yr horizon, excludes priority pipelines
Other (Material/Age) Pipelines	\$315,281	~2,630 ft per year, over 50 years for C.I. replacement
Fire Hydrants	\$57,000	~14 per year, 50-year cycle
Meters	\$49,000	currently all being replaced
Well Facilities	\$164,200	includes well facility and periodic well hole rehab
Booster Facilities	\$60,000	Includes booster facility components
Storage	\$26,000	Includes minor repairs, cleaning and inspection
Total	\$868,905	

- Replacement program can help replace undersized pipelines, correcting many of the fire flow deficiencies
- Replacement program should be phased in over time

ID#	Project Description	Annual Budget (Inflated Costs ³)						Total 6-yr Cost
		FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
1A	Well 4 Booster Station Upgrade	\$ 98,384	\$ 409,277	\$ -	\$ -	\$ -	\$ -	\$ 507,661
1B	Well 4 Tank Repairs	\$ 63,440	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 63,440
1C	Well 5 Tank Repairs	\$ 116,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 116,480
1D	Gossner Tank Painting and Improvements	\$ 295,360	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 295,360
	Sub-Total	\$ 573,664	\$ 409,277	\$ -	\$ -	\$ -	\$ -	\$ 982,941
	Meter Repayment (\$1M loan from electrical dept) ¹	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 600,000
	Annual Pipeline Replacement / Priority Improvement ²	\$ -	\$ 206,272	\$ 536,307	\$ 613,535	\$ 754,091	\$ 904,909	\$ 3,015,114
	Annual Facility Replacement (booster, well, etc.)	\$ -	\$ 54,123	\$ 225,153	\$ 292,699	\$ 304,407	\$ 316,583	\$ 1,192,964
	Total	\$ 673,664	\$ 769,673	\$ 861,460	\$ 1,006,234	\$ 1,158,497	\$ 1,321,492	\$ 5,791,019

1. \$1M loan from electrical department repaid at \$100k/year will take 11+ years to repay, depending on interest rate.

2. Fully funded budget assumes funding for Priority 2-4 pipeline projects over the next 20 years.

3. Inflated costs by 4% for capital projects, including annual replacement projects; inflated operating costs at 3%; debt service assumed to be a constant annual amount.

Fiscal Year	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Monthly Increase	\$12.02	\$3.45	\$3.39	\$4.65	\$4.86	\$5.15

Potable water system meets DEQ standards for pressures, storage and supply

Major existing deficiencies are associated with meeting existing fire flow requirements and funding needed for replacements / upgrades

The capital improvement plan is intended to:

Correct existing deficiencies

Plan for system expansions

Establish an annual replacement program

Mayor Smedley opened hearing for public comment.

A discussion followed with questions being asked by the Council members.

There were no written comments turned in and the water master system plan was at City Hall for public review.

Mr. Rocha said the Council needs to formally accept the Water Master Plan.

City Administrator Mark Mitton said the need to build up the Capital fund. He said he watches the rates around the area and some places are paying a lot more. He said they need to start doing some of the projects that are listed. He said they would have to have a public hearing if they increase fees more than 3%. He said they are trying to educate people on what the water system is and how it works especially for the future.

Jon Anderson from 2330 Burton addressed the Council and said he applauded them for taking this on as people do not like it when improvements need to be done. He talked about the sewer improvements that had to be done a few years ago and how unpopular it was and they have been fortunate to have low rates with money in reserves but they had not been doing any improvements until Mr. Mitton came.

Jay Lenkersdorfer from 350 W 25th Street addressed the Council and said they need to make sure the industrial users are paying the fair share and consider people who are on fixed incomes and how they cannot afford increases.

A motion was made by Council member Morgan and seconded by Council member Mallory to accept the Water System Management master plan as presented by Keller Associates and recognize the priority 1 improvements listed on table ES-6 as the preferred improvement alternatives to be included in the environmental information document.

Roll Call Vote:

Andersen	Aye	Fillmore	Aye	Mallory	Aye
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Hawkins	Aye	Morgan	Aye	Craner	Aye
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Motion carried.

ADJOURN

Council member Craner commented on the fact that Kurt Mills our City Employee lost his home and wished him well.

Council member Anderson wished everyone a Happy New Year.

A motion was made by Council member Anderson and seconded by Council member Morgan to adjourn the meeting at 8:54 p.m.

All "Aye." Motion carried.

City of Burley

Mayor

ATTEST:

City Clerk

NOTICE

The City of Burley, Idaho is currently in the process of developing a 20-year planning document to address the needs of the public potable water system. As part of this process, the public is invited to review a draft version of the study at City Hall, located at 1401 Overland Avenue, Burley, Idaho, for a period of 14 days beginning on December 20, 2014 and ending on January 3, 2015. A copy of this report is also available at the Twin Falls Regional DEQ Office located at 650 Addison Avenue West, Suite 110, Twin Falls, Idaho.

At the conclusion of this 14 day comment period, the City will hold a Public Hearing to discuss the study outcomes and the proposed improvements to the water system. This Hearing will be held during the regularly scheduled City Council meeting which will be held on Tuesday, January 6, 2015 at 7:00 p.m. in the Council Chambers located in City Hall, 1401 Overland Avenue, Burley, Idaho.

Citizens may also send written comments before the public hearing to the City Clerk, Melanie Haynes, at P.O. Box 1090, 1401 Overland Avenue Burley, Idaho 83318 or email them to mhaynes@pmt.org.

City Hall and the Council Chambers are accessible to persons with disabilities. Interpreters for persons with hearing impairments and/or taped information for persons with visual impairments can be provided upon three (3) days notice by contacting the City Clerk at 208-878-2224 ext 2020.

La ciudad de Burley, Idaho actualmente está elaborando un documento de planificación de 20 años para atender las necesidades del sistema público de agua potable. Como parte de este proceso, el público es invitado a revisar un borrador del estudio en City Hall, situado en 1401 Overland Avenue, Burley, Idaho, para un período de 14 días a partir de 20 de diciembre de 2014 y finaliza el 03 de enero de 2015. Una copia de este informe también está disponible en la Oficina Regional de Twin Falls de DEQ situado a 650 Addison Avenue West, Suite 110, Twin Falls, Idaho.

A la conclusión de este período de comentario 14 días, la ciudad tendrá audiencia pública para discutir los resultados del estudio y las propuestas de mejora al sistema de agua. Esta junta será durante la reunión programada del Concilio Municipal el martes, 06 de enero de 2015 a las 7:00 p.m. en el Cuarto del Concilio situado en City Hall, 1401 Overland Avenue, Burley, Idaho.

Los ciudadanos también pueden enviar comentarios por escrito antes de la junta pública a la Secretaria Municipal, Melanie Haynes, en P.O. Box 1090, 1401 Overland Avenue Burley, Idaho 83318 o enviarlas por correo electrónico a mhaynes@pmt.org.

City Hall y el Cuarto del Concilio son accesibles a las personas con discapacidad. Intérpretes para personas con impedimentos de oír o información grabada para las personas con discapacidad visual pueden proporcionarse con anticipación tres 3 días de comunicándose con la Secretaria Municipal en 208-878-2224 ext 2020.

PUBLISH: December 11 and 18, 2014

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Water Master Plan

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Plan Maestro de Agua

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<http://burleyidaho.org/automated-meter-reading/>

accessed 1/7/2015