



TROY TALK



City of Troy, Idaho Newsletter

January 2008 Volume 2, Issue 1

Upcoming Community Events!



Friends of the Troy Library

Friends of the Library are people who are interested in enhancing our Library's services, programs, materials, and access by providing community awareness and supplemental funding. The Troy Friends built the Bohman Building [now owned by the City of Troy] which houses Troy Community Library. Library Service is provided by the Latah County Library District. We held a recent open house to show off the 5 new Public Access computers from the Gates Foundation and the Idaho Library Commission. Your Library Card provides you with access to all 7 Latah County Library District Libraries and to the Valnet Consortium. Access: over 750,000 items, DVD, VHS, CDB, Audiobooks, a Parenting Collection, Rotating newer books, magazines, and paperbacks. You can place requests and holds on-line, or with the help of the Branch Supervisor. A Courier Service brings items to the Troy Library on Tuesdays and Thursdays. You can return items at any library or after hours, as well as access your account from your home computer at: www.latahlibrary.org.

The Friends are involved in supplementing Troy's building maintenance and furnishings. They support Summer Reading and Youth Programming. They provide magazine subscriptions. They have supported a creative writing workshop, a bookclub, and have purchased supplementary young reader materials from an estate gift to the Friends. Annually, we try to hold an Open House on Troy Days, participate in an on-going Used Book Sale, and provide a Celebratory Party at the end of Summer Reading, which includes a free book and prizes for the children. We provide funding for other special programs as well. The Friends meet Quarterly. Our next Meeting is Wednesday, January 16, 2008, 6:30PM at the Library. This will be the Annual Meeting and will involve the election-of-officers and planning for future events. There are no dues, just come and show your interest in Books and Libraries and your support for our Library. Currently the Friends have purchased and are sponsoring the completion of the World's Largest Puzzle.

This is happening in the Community Room of the Library, during regular library hours. Other hours may be available depending on available supervision. Call 835-4311. Here is a web link to see the puzzle, shown below. There is a Zoom feature to look at the Puzzle in detail. <http://www.worldslargestpuzzle.com/index.html>



The World's Largest Jigsaw Puzzle!



At the Community Room of the Troy Library

Come help us build the puzzle during library hours

Community Meals at the Lutheran Church

Those great meals at the Troy Lutheran Church has temporarily been put on hold until the students return. We'll let you know when it comes back.

COME ON TROY!

Let's log on to the OFFICIAL WebSite for our town and get informed as well as bumping the numbers on the HIT COUNTER up! See the Holiday greeting card from the Mayor & Council.

Special points of interest:

- **City Council Meetings:**
each 2nd & 4th
Monday at 6:30 pm
- **City Hall Hours:**
Monday - Friday
8:30 am - 4:00 pm
- **Special Note:**

January 14, 2008 City Council Meeting, we will go over the results of the water surveys. This meeting will be held in the Council Room, Troy City Hall.

Happy New Year



Special Notices From the City:



Be sure your outside animals have shelter, water, and food

TROY LIBRARY

Troy Library Hours
Monday 1pm-7pm
Wednesday 1pm-7pm
Thursday 10am-4pm

Story Time for pre-schooler
Thursday morning

at 10:30am



GO TROJANS



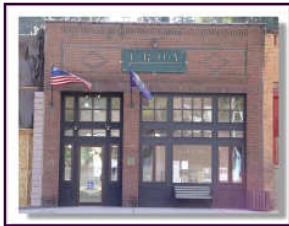
City of Troy, Idaho Newsletter

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ARE YOU IN FAVOR OF PURSUING WATER SYSTEM IMPROVEMENTS?

YES NO

IF YES, WATER SYSTEM IMPROVEMENT PRIORITIES ARE AS FOLLOWS:
(1 – 5, 1 Being Highest, 5 Being Lowest)

- New Well
- Purchase & Revamp Existing Wells (i.e. Henderson)
- Dam
- Distribution System Improvements
- Storage

Thank you for your guidance.

Sincerely,
Troy Mayor and Council

Troy City Hall
Phone: 835-2741
Fax: 835-2743

Only vote if you are an “IN-TOWN” water user

After you have cast your vote, please return the ballot to City Hall no later than January 10, 2008. Drop at counter or in the night drop box.

BACKGROUND:

Premise:

Previous Water Study, dated 1997, indicated need for 345 gallons per minute (gpm) source to provide for 20-year needs.

Study indicated City of Troy's existing sources provide 245 gpm resulting in the need to develop an additional 100 gpm.

However, time and experience has shown that the existing sources are not able to supply 245 gpm based on information below:

Source	Previous Estimated Max Capacity	Current Estimated Maximum Capacity (as is)
Slow Sand Filter	95 gpm	90 gpm
Big Meadow Well	75 gpm	60 gpm
Duthie Park Well	75 gpm	35 gpm
Total	245 gpm	185 gpm
Additional Source Capacity Required		160 gpm

NOTES:

Capacities of the wells are reduced because of the inability to pump constantly at the rate indicated without experiencing a drastic drawdown.

The current estimated capacity is the average amount that the well could be pumped during the short period of highest demand, which is typically during July and August. It is assumed that the pumping would be minimal during other times of the year in order to allow the wells time to recover.

Conclusion:

In order to achieve needed 160 gpm additional water, various improvements have been considered, which include: 1) New Dam, 2) New Well(s), 3) Storage Tank, and 4) Distribution System Improvements

DAM COMPONENT:

Build a new dam at the CCC park

Wetland Remediation

Upgrade the treatment plant to provide the additional 160 gpm treatment capacity

Estimated Water to be Gained by Dam	Water Shortage to Comply with 20-Year Plan	Estimated Cost to Build New Dam
160 gpm	10 gpm *	\$2,000,000.00 **
Estimated Water to be Gained by Treatment Plant Upgrades	Water Shortage to Comply with 20-Year Plan	Estimated Cost to Upgrade Treatment Plant
160 gpm	0 gpm	\$300,000.00 to \$500,000.00

NOTES:

Several possible options for treatment still need to be explored.

* Strata calculations, using 50% of reservoir capacity, net 150 gpm to 20-year plan

** Does not include acquisition costs, which are not known at this time

WELL(S) COMPONENT:

Drilled test well in November to obtain information on water available

Good source of water available at test well site (est. 100 gpm)

Still need to obtain 60 gpm with drilling new well and tying well into existing water system

Tank Size	Avg Cost/gallon (today)	\$/gallon used in estimate	Total Estimated Construction
230,000 gallons	\$1.00 - \$1.10	\$1.32	\$552,160
500,000 gallons	\$.65 - \$.70	\$.84	\$763,980

To address 60 gpm shortage, alternatives could consist of:

Perform testing on the ext'g Mary Street well to determine additional supply that can be obtained through its development (\$25,000 estimate)

If additional supply is needed beyond the capacity of Mary Street well, then test pump the Henderson well (\$23,000 estimate) to determine if additional supply needed can be provided through development of both of these sources.

Above costs of \$25,000 and/or \$23,000 do not include tie-in to existing water system or brining current wells up-to-standard to meet Department of Environmental Quality (DEQ) standards

Additional Potential Groundwater Sources from Ext'g Wells	Conservative Estimate of Capacity Available
Mary Street Well	0 gpm-50 gpm
Henderson Well	50 gpm
Total Additional Capacity Available From Known Groundwater Sources	50 gpm- 100 gpm
Additional Capacity Needed	60 gpm

STORAGE TANK COMPONENT:

Additional storage is needed to improve fire flow to the entire City

Options for Mary Street storage tank were considered

Cost per gallon does decrease with volume, based on average cost per gallon provided by Aquastore (glass-fused tank supplier)

The cost includes the concrete base, but no site prep or piping

For the estimate, costs were increased by 20% to allow for inflation.

Estimated Water to be Gained by New Well	Water Shortage to Comply with 20-Year Plan	Estimated Cost to Drill and Develop New Well
100 gpm	60 gpm	\$305,000.00

DISTRIBUTION SYSTEM IMPROVEMENTS:

Shortage of gpm could potentially be made up from distribution system improvements through replacement of old, dilapidated pipe

The Transmission Main that flow to the Slow Sand Filter has been identified as a pipe a significant amount of leaks occur

Replacement of the Transmission Main is not necessary if the Dam is constructed.

Estimated Water to be Gained by Replacement of Transmission Main	Water Shortage to Comply with 20-Year Plan	Estimated Cost Replace Transmission Main
?	?	\$783,000.00

FUNDING POSSIBILITIES:

Community Development Block Grant

Rural Development

Department of Environmental Quality

Pacific Coast Recovery Funds (fish mitigation component, wetlands mitigation component – Potlatch Watershed Advisory Group, Office of Species Conservation, Latah Soil & Water & Conservation District)

Nez Perce Tribe * Congressional Appropriation * City Funds

WATER RIGHTS:

Transfer "Old Well by School" to New Well? * "Old Well by School" does not impact Big Meadow Well