



Our Water. Our Future. Our Choice.

The purposes of the District include planning for and facilitating the long-term conservation, development, protection, distribution, management and stabilization of water rights and water supplies for domestic, irrigation, power, manufacturing, municipal, recreational and other beneficial uses, including the natural stream environment, in a cost-effective way to meet the needs of the residents and growing population of Cache County.

www.cachewaterdistrict.com

CACHE WATER DISTRICT BOARD OF TRUSTEES MEETING MINUTES November 18, 2019

The Cache Water District Board of Trustees convened for on November 18, 2019 at 5:30 p.m. In the Cache County Historic Courthouse, Council Chambers, 199 North Main Street, Logan, Utah.

MEMBERS OF THE BOARD IN ATTENDANCE:

Jonathan W. Hardman – South Council District
Jeannie F. Simmonds – Logan #1 Council District
Scott Clark - Logan #2 Council District
Max Pierce – North Council District
Bret Randall – Northeast Council District
Jared Clawson – At-Large Position
Don Baldwin – Agricultural Representative
Kirt Lindley – At-Large Position
Herm Olsen – Logan #3 Council District
David Erickson – At-Large Position

MEMBERS OF THE BOARD ABSENT:

Shaun Dustin – Southeast Council District

OTHERS IN ATTENDANCE: Nathan Daug's (Manager), Chris Slater (J-U-B), Hilary Shughart (Bridgerland Audubon Society), Lisa Welsh (USU), Chad Brown (Franson Civil Engineers), Debbie Zilles

CALL TO ORDER

The meeting was called to order by Chairman Hardman at 5:30 p.m.
Consideration for minutes from October 21 & 24 2019 and agenda for November 18, 2019.

ACTION: Motion by Mr. Clawson to approve the agenda and the minutes as submitted. Seconded by Mr. Olsen. Motion approved unanimously.

PUBLIC COMMENT

None

REVIEW CALENDAR & ACTION REGISTER

- Nov. 13 – Utah Water Task Force (SLC)
- Nov. 19 – Bear River Commission Meeting (DNR Building - SLC)

FINANCIAL REPORT

(See **Attachment 1**)

MANAGER'S REPORT

Task Force Update - Mr. Daugs said the water banking group has been providing presentations throughout the state. He recently presented at the Water Symposium a few weeks ago. They will be attending two more legislative sub-committee meetings this week (Natural Resources & Water Development) to present. There is some hesitation from the agricultural community, but overall, they have received a favorable response. The way water is managed will be changing and CWD needs to be part of that change and be on forefront deciding what is needed in Cache Valley.

There has been discussion regarding split-season water leasing by Rep. Hawkes with the idea of short-term leasing of late season water. He will send out more information on this once a draft is available (**Action Item**). He does not see this being used too much in Cache County but he can envision Weber Basin using this type of system during a drought year as another tool to use when necessary. Mr. Clark said the administration of this will be a challenge.

S.B. 52 Update - Senator Anderegg, the bill sponsor, has a placeholder to bring the bill back this year, as well as a bill for metering agricultural water. The task force put forth some recommendations to include in the bill. Mr. Clark asked if the task force has discussed limits on per capital use around the state (Water Conservation Plan Amendments – Rep. Harrison); Mr. Daugs is unsure on the status of that, the new regional conservation plan will likely lead that discussion. Information has been posted on the CWD website under “Current Events & Projects”.

Bear River Update – Ms. Simmonds asked about the mapping of the Bear River. Mr. Daugs said they have the model set and hope to have everything done by the end of March 2020. The modeling is being done internally as part of the joint filing.

The Bear River Development Draft Report should be available online (for public comment) beginning tomorrow. Mr. Daugs will pick up a couple of hard copies at the Bear River Commission meeting tomorrow. He encouraged members to take some time and review the report. There will also be a report on the financial impacts presented at the Water Symposium this week in Salt Lake.

Office Update – Mr. Daugs has moved into a new office at the Fairgrounds building (same rent). He will need to purchase some bookshelves and a few chairs.

PRELIMINARY 2020 BUDGET - REVIEW

(See **Attachment 2**)

Mr. Clawson asked why the cloud seeding funding of \$50,000 is different from last year, which was \$53,000. Ms. Simmonds said the \$53,000 was offset by \$22,000 (reimbursement). Mr. Daugs explained that last year the District took it over from the County. It will be contracted out with a weather company and the state, the fee is paid upfront and then 50% is reimbursed by the state. The contract amount is \$50,000.

Mr. Daugs said vehicle leasing is something that is being considered instead of monthly mileage reimbursements. Ms. Simmonds said it might be wise to have a vehicle available for district use. Mr. Clark agreed and said mileage reimbursement does not cover all the costs associated with using a personally-owned vehicle; a leasing program has benefits for the maintenance of the vehicle. Ms. Simmonds will research some options.

Mr. Clark asked if \$2,000 for the website would be enough. Mr. Daugs said it should be more than enough to help with maintenance and upkeep now that it has been designed and set up.

Mr. Daugs answered for Mr. Pierce that funds allocated for Technology include things such as cell phone and computer and printer costs.

Mr. Randall noted that the amount budgeted for Office Supplies seems high. Mr. Daugs said they were uncertain what might be needed moving to a new office, this can certainly be trimmed down as necessary.

Ms. Simmonds explained that this is a preliminary draft for review; it will be set as an item for public hearing and vote at the December 16, 2019 meeting.

DRAFT WATER MASTER PLAN PROPOSED ACTIONS - REVIEW

(See **Attachment 3**)

Water Banking – Mr. Clark asked if instream flow is one component. Mr. Slater said legislation will be addressing this issue, therefore, it was an important element to include.

Multi-Jurisdictional Secondary Water – Mr. Randall said the Crockett project was spearheaded by canal companies, CWD is the project sponsor for the \$80 million grant that has been submitted (which include environmental studies, design and construction but not personnel). Mr. Daugs said there is the potential that CWD will be involved, somehow, in the management of the program. Mr. Randall said his concern is the District managing a canal system that they sponsored and entities that do not benefit from that system will be subsidizing it. Mr. Daugs said the study plan calls for the management of the system to self-fund. Mr. Baldwin said the price tag of the project is stunning. Mr. Daugs said the long-term cost benefits and cost savings pencil out quickly. Mr. Clark said it will go a long way in alleviating the long-term demand of culinary water.

Bear River Development – Chairman Hardman said discussions should begin in 2020. Mr. Slater said there be recommendations on where to go and/or how to initiate evaluating stream demands.

Irrigation Delivery Efficiencies – Ms. Simmonds asked how this component benefits the District. Mr. Slater said it helps improve the efficiency of water use and provides the ability to see where the most benefit would be. Mr. Daus pointed out that part of the purpose of the District is to help protect water rights, this will help ensure that canal companies are using water efficiently. Ms. Simmonds said identifying and prioritizing the need is necessary before funding is obtained.

Conservation – Ms. Shughart would like to see more incentives, she thinks there is way too little in this portion of the plan. Mr. Clark said some of the other categories overlap and include conservation elements. Ms. Shughart said shifting water is not necessarily conservation, she would like to see more incentives regarding water usage. Ms. Simmonds said, although a laudable goal, the challenge is culinary water is handled at the City level. Mr. Daus noted that programs like the summer water audits are a good starting point.

Other – Ms. Simmonds hopes that this plan is not too passive, she would like to see CWD become more proactive. Mr. Pierce pointed out that people prefer passive language. Chairman Hardman said the actual tasks outlined in the plan will help meet the specific needs to accomplish goals. Mr. Daus said the District will begin immediately working on the 2020 objectives. Ms. Simmonds said she would like CWD to become the “water expert” in the next few years.

Mr. Slater confirmed for Chairman Hardman that the interviews and discussion ideas will all be included in the appendix. Mr. Pierce asked for a DRAFT watermark on the document until it is adopted.

Ms. Shughart said per the bylaws, this document becomes the “marching orders” of the CWD; if public comment is accepted, would appropriate changes be made if necessary. Mr. Randall advised that it can be changed and/or updated anytime it is deemed necessary.

Next Steps – A copy of the plan will be put on the website by Friday, November 22 and public comment will be accepted until, and through, the December 16, 2019 meeting. This will be an item for public hearing and vote at the December meeting. All comments received will be provided to Board members for review.

OTHER

Due to a scheduling conflict and a holiday, the meeting for January 2020 will be changed to the second Monday, January 13, 2020. Mr. Daus will send members a link for annual training.

ADOURN

The meeting adjourned at 7:05 p.m.

-ATTACHMENT 1- Monthly Financial Report

3:36 PM

11/18/19

Accrual Basis

Cache Water District Profit & Loss Budget vs. Actual January through October 2019

| | Jan - Oct 19 | Budget | \$ Over Budget | % of Budget |
|----------------------------------|--------------|------------|----------------|-------------|
| Ordinary Income/Expense | | | | |
| Income | | | | |
| Cache County | 295,250.00 | 250,000.00 | 45,250.00 | 118.1% |
| Restricted Income | | | | |
| Northern Utah Water Conference | 2,215.00 | | | |
| Restricted Income - Other | 22,271.86 | 1,373.61 | 20,898.25 | 1,621.4% |
| Total Restricted Income | 24,486.86 | 1,373.61 | 23,113.25 | 1,782.7% |
| Total Income | 319,736.86 | 251,373.61 | 68,363.25 | 127.2% |
| Gross Profit | 319,736.86 | 251,373.61 | 68,363.25 | 127.2% |
| Expense | | | | |
| Office | | | | |
| Insurance and Bonding | 3,157.00 | | | |
| Office Supplies | 631.93 | 1,668.00 | -1,036.07 | 37.9% |
| Publications | 0.00 | 2,500.00 | -2,500.00 | 0.0% |
| Rent | 0.00 | 4,584.00 | -4,584.00 | 0.0% |
| Technology | | | | |
| Cell Phone | 567.66 | | | |
| Computer and printer | 683.42 | | | |
| Technology - Other | 0.00 | 2,500.00 | -2,500.00 | 0.0% |
| Total Technology | 1,251.08 | 2,500.00 | -1,248.92 | 50.0% |
| Total Office | 5,040.01 | 11,252.00 | -6,211.99 | 44.8% |
| Outreach | | | | |
| Conservation | 4,325.00 | 13,750.00 | -9,425.00 | 31.5% |
| Dues | 902.00 | 1,668.00 | -766.00 | 54.1% |
| Northern Utah Water Conference | 2,271.06 | | | |
| Training | 1,763.32 | 5,000.00 | -3,236.68 | 35.3% |
| Website | 265.92 | 2,084.00 | -1,818.08 | 12.8% |
| Outreach - Other | 256.88 | | | |
| Total Outreach | 9,784.18 | 22,502.00 | -12,717.82 | 43.5% |
| Personnel | | | | |
| Salary and benefits | 79,488.44 | 91,666.00 | -12,177.56 | 86.7% |
| Travel and Mileage | 6,393.88 | 8,334.00 | -1,940.12 | 76.7% |
| Total Personnel | 85,882.32 | 100,000.00 | -14,117.68 | 85.9% |
| Professional Fees | | | | |
| Administrative | 482.50 | | | |
| Attorney Services | 0.00 | 25,000.00 | -25,000.00 | 0.0% |
| Audit | 0.00 | 5,834.00 | -5,834.00 | 0.0% |
| Financial Services | 271.00 | 8,334.00 | -8,063.00 | 3.3% |
| Total Professional Fees | 753.50 | 39,168.00 | -38,414.50 | 1.9% |
| Project funding | | | | |
| Cloud Seeding | 53,065.18 | 41,666.00 | 11,399.18 | 127.4% |
| Water Master Plan | 7,899.00 | 33,334.00 | -25,435.00 | 23.7% |
| Water Studies | | | | |
| Crockett Study | 7,777.21 | | | |
| Water Banking | 8,155.39 | | | |
| Water Studies - Other | 0.00 | 16,666.00 | -16,666.00 | 0.0% |
| Total Water Studies | 15,932.60 | 16,666.00 | -733.40 | 95.6% |
| Total Project funding | 76,895.78 | 91,666.00 | -14,769.22 | 83.9% |
| Total Expense | 178,356.79 | 264,588.00 | -86,231.21 | 67.4% |
| Net Ordinary Income | 141,380.07 | -13,214.39 | 154,594.46 | -1,069.9% |
| Net Income | 141,380.07 | -13,214.39 | 154,594.46 | -1,069.9% |

Cache Water District
Profit & Loss Budget vs. Actual
 October 2019

Accrual Basis

| | Oct 19 | Budget |
|--------------------------------|-----------|------------|
| Ordinary Income/Expense | | |
| Income | | |
| Cache County | 0.00 | 0.00 |
| Restricted Income | 0.00 | 0.00 |
| Total Income | 0.00 | 0.00 |
| Gross Profit | 0.00 | 0.00 |
| Expense | | |
| Office | | |
| Office Supplies | 0.00 | 166.00 |
| Publications | 0.00 | 250.00 |
| Rent | 0.00 | 458.00 |
| Technology | | |
| Cell Phone | 57.23 | |
| Technology - Other | 0.00 | 250.00 |
| Total Technology | 57.23 | 250.00 |
| Total Office | 57.23 | 1,124.00 |
| Outreach | | |
| Conservation | 0.00 | 1,375.00 |
| Dues | 402.00 | 166.00 |
| Northern Utah Water Conference | 145.00 | |
| Training | 85.00 | 500.00 |
| Website | 0.00 | 208.00 |
| Total Outreach | 632.00 | 2,249.00 |
| Personnel | | |
| Salary and benefits | 6,931.78 | 9,167.00 |
| Travel and Mileage | 455.88 | 833.00 |
| Total Personnel | 7,387.66 | 10,000.00 |
| Professional Fees | | |
| Administrative | 112.50 | |
| Attorney Services | 0.00 | 2,500.00 |
| Audit | 0.00 | 583.00 |
| Financial Services | 18.00 | 833.00 |
| Total Professional Fees | 130.50 | 3,916.00 |
| Project funding | | |
| Cloud Seeding | 0.00 | 4,167.00 |
| Water Master Plan | 0.00 | 3,333.00 |
| Water Studies | | |
| Water Banking | 620.81 | |
| Water Studies - Other | 0.00 | 1,667.00 |
| Total Water Studies | 620.81 | 1,667.00 |
| Total Project funding | 620.81 | 9,167.00 |
| Total Expense | 8,828.20 | 26,456.00 |
| Net Ordinary Income | -8,828.20 | -26,456.00 |
| Net Income | -8,828.20 | -26,456.00 |

Cache Water District Profit & Loss Budget vs. Actual

October 2019

Accrual Basis

| | % of Budget |
|--------------------------------|-------------|
| Ordinary Income/Expense | |
| Income | |
| Cache County | 0.0% |
| Restricted Income | 0.0% |
| Total Income | 0.0% |
| Gross Profit | 0.0% |
| Expense | |
| Office | |
| Office Supplies | 0.0% |
| Publications | 0.0% |
| Rent | 0.0% |
| Technology | |
| Cell Phone | |
| Technology - Other | 0.0% |
| Total Technology | 22.9% |
| Total Office | 5.1% |
| Outreach | |
| Conservation | 0.0% |
| Dues | 242.2% |
| Northern Utah Water Conference | |
| Training | 17.0% |
| Website | 0.0% |
| Total Outreach | 28.1% |
| Personnel | |
| Salary and benefits | 75.6% |
| Travel and Mileage | 54.7% |
| Total Personnel | 73.9% |
| Professional Fees | |
| Administrative | |
| Attorney Services | 0.0% |
| Audit | 0.0% |
| Financial Services | 2.2% |
| Total Professional Fees | 3.3% |
| Project funding | |
| Cloud Seeding | 0.0% |
| Water Master Plan | 0.0% |
| Water Studies | |
| Water Banking | |
| Water Studies - Other | 0.0% |
| Total Water Studies | 37.2% |
| Total Project funding | 6.8% |
| Total Expense | 33.4% |
| Net Ordinary Income | 33.4% |
| Net Income | 33.4% |

-ATTACHMENT 2-
2020 Preliminary Budget
Cache Water District

| | | | |
|-------------------------------|------------------------------|------------|------------|
| Income | | | \$ 275,000 |
| Transfer from Reserves | | | \$ 207,000 |
| Expenses | | | |
| | Personnel | | |
| | Salary + Benefits | \$ 130,000 | |
| | Travel/Mileage | \$ 15,000 | |
| | Vehicle Lease | \$ 12,000 | |
| | Attorney Services | \$ 30,000 | |
| | Financial Services | \$ 10,000 | |
| | Audit | \$ 7,000 | |
| | Total Personnel | | \$ 204,000 |
| | Outreach | | |
| | Conservation Programs | \$25,000 | |
| | Dues | \$ 2,500 | |
| | Training | \$ 6,000 | |
| | Website | \$ 2,000 | |
| | Sponsorships | \$ 2,500 | |
| | Insurance/Bonding | \$ 5,000 | |
| | Total Outreach | | \$ 43,000 |
| | Office | | |
| | Publications | \$ 3,000 | |
| | Technology | \$ 3,000 | |
| | Rent | \$14,000 | |
| | Office Furnishings | \$ 4,000 | |
| | Office Supplies | \$ 6,000 | |
| | Total Office | | \$ 30,000 |
| | Project Funding | | |
| | Cloud Seeding | \$50,000 | |
| | Water Studies | \$50,000 | |
| | Update Water Master Plan | \$10,000 | |
| | Secondary Irrigation | \$25,000 | |
| | Seepage Loss Studies | \$30,000 | |
| | Bear River Development | \$ 5,000 | |
| | ASR Studies | \$25,000 | |
| | Water Banking | \$10,000 | |
| | Total Project Funding | | \$ 205,000 |
| Balance | | | - |

-ATTACHMENT 3-

| Proposed Actions | | | | | |
|--|--|--|--|--|---|
| Activity | 2020 | 2021 | 2022 | 2023 | 2024 |
| Water Banking | Participate in water banking pilot program - work with DWRe to complete study. Investigate leases for in-stream flows. | Participate in water banking pilot program - work with DWRe to complete study. Investigate leases for in-stream flows. | Create a water bank (website, management, etc.) and begin advertising | Continue management and implementation of bank. Hire part time water bank coordinator | Continue management and implementation of bank. Hire part time water bank coordinator. |
| Multi-Jurisdictional Secondary Water | Obtain funding for Crockett Pressure Irrigation Project. Start Crockett environmental process. Look other secondary water opportunities. | Crockett Environmental Study, mapping of secondary water systems. Look other secondary water opportunities. | Crockett Environmental Study, mapping of secondary water systems. Look other secondary water opportunities. | Crockett Design. Feasibility study for another secondary system. Look other secondary water opportunities. | Begin Crockett Construction. Feasibility study for additional secondary system, Hire a half time project coordinator. Look other secondary water opportunities. |
| Evaluate Cache Bear River Development Alternatives | Review the current DWRe Bear River Development report as it applies to Cache Water District | DWRe discussions about long term plans for Cache County. Funding for Environmental demands along streams. | Evaluate environmental demands along streams and rivers | Begin a feasibility evaluation on potential local reservoir sites | Continue reservoir feasibility evaluations |
| Multi-Jurisdictional ASR Program | Obtain funding for Green Canyon and River Park Well ASR evaluation | Evaluate Green Canyon and River Park Well ASR projects | Create water development agreements for an ASR project if studies show favorable outcomes | Design ASR system(s). Evaluate other ASR sites. | Construct ASR system(s). Evaluate other ASR sites. |
| Improve Irrigation Delivery Efficiencies | Obtain funding and measure seepage losses along major canals in Cache County (canals with 30 cfs flows or greater) in cooperation with canal companies | Continue seepage loss studies. Evaluate return flows to rivers or adjacent riparian areas for canals with high seepage losses. Prioritize areas to pipe or line. | Provide information and support to irrigation companies for grants to line or pipe the segments found with the most seepage loss and fewest impacts to stream flows and riparian areas | Design improvements. Begin grant assistance for other projects. | Construct Improvements |
| Engage in State and Legislation Process | Continuing Actions: Monitor legislative activity, provide information on new water related bills including secondary metering bill (S.B. 52) Participate in Utah Water Task Force, Bear River Development meetings and TMDL meetings Assist in drafting new water bills | | | | |
| Conservation Program | Conduct secondary water audits with USU. Conduct water-wise landscaping Classes | Conduct secondary water audits with USU. Participate in slow the flow campaign. | Conduct secondary water audits with USU. Participate in slow the flow campaign. | Conduct secondary water audits with USU. Participate in slow the flow campaign. Demonstration garden. Hire part-time conservation coordinator. | Conduct secondary water audits with USU. Participate in slow the flow campaign. Demonstration garden. Part time conservation coordinator |
| Local Outreach | Continuing Actions: Give annual city manager updates and city council updates to promote 4- year water rights plans, give legislative updates, and discuss other key water issues such as source protection. Meet with cities and irrigation companies that express interest in secondary water systems. Promote outdoor water conservation at local water efficient landscaping workshops. Plan annual Northern Utah Water Conference and participate in annual local water fair. | | | | |
| Other | Assist with other multijurisdictional opportunities as they arise and as they fit within the purposes of CWD. | | | | |

| Priority Objectives Addressed | | | | | | Estimated Budget Plan | | | | | |
|---|---|------|------|------|------|---|-------------------|-------------------|-------------------|-------------------|-------------------|
| Activity | 20 | 2021 | 2022 | 2023 | 2024 | Activity | 2020 | 2021 | 2022 | 2023 | 2024 |
| Water Banking | Protect Water Rights & Supplies, Bank Water Rights, Provide Adequate Reliable Irrigation Supply, Guide Water Legislation, Improve Understanding of Environmental Water Needs | | | | | Water Banking | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 50,000 | \$ 50,000 |
| Multi-Jurisdictional Secondary Water | Protect Water Rights & Supplies Provides Adequate Reliable Irrigation Supply, Conserve Water, Provide Funding and Technical Assistance, Improve Understanding of Environmental Water Needs | | | | | Multi-Jurisdictional Secondary Water | \$ 25,000 | \$ 75,000 | \$ 75,000 | \$ 50,000 | \$ 100,000 |
| Evaluate Cache Bear River Development Alternatives | Protect Water Rights & Supplies, Protect Bear River Allocation, Provide Adequate Reliable Irrigation Supply Guides, Water Legislation, Improve Understanding of Environmental Water Needs | | | | | Evaluate Cache Bear River Development Alternatives | \$ 5,000 | \$ 25,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 |
| Multi-Jurisdictional ASR Program | Protect Water Rights & Supplies, Protect Bear River Allocation, Provide Adequate Reliable Irrigation Supply, Provide Funding and Technical Assistance | | | | | Multi-Jurisdictional ASR Program | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 50,000 | \$ 50,000 |
| Improve Irrigation Delivery Efficiencies | Protect Water Rights & Supplies, Provide Adequate Reliable Irrigation Supply, Conserve Water, Provide Funding and Technical Assistance, Improve understanding of Environmental Water Needs | | | | | Improve Irrigation Delivery Efficiencies | \$ 30,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| Engage in State and Legislation Process | Protect Water Rights & Supplies, Protect Bear River Allocation, Investigate Water Banking, Provide Adequate Reliable Irrigation Supply, Guide Water Legislation | | | | | Engage in State and Legislation Process | Covered in Salary | Covered in Salary | Covered in Salary | Covered in Salary | Covered in Salary |
| Conservation Program | Conserve Water, Provide Funding and Technical Assistance, Improve Understanding of Environmental Water Needs | | | | | Conservation Program | \$ 20,000 | \$ 25,000 | \$ 30,000 | \$ 65,000 | \$ 75,000 |
| Local Outreach | Protect Water Rights & Supplies, Protect Bear River Allocation, Investigate Water Banking, Conserve Water, Provide Funding and Technical Assistance, Improve Understanding of Environmental Water Needs | | | | | Local Outreach | \$ 10,000 | \$ 10,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 |
| Other | | | | | | Other | \$ 50,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 |
| | | | | | | Total | \$ 175,000 | \$ 320,000 | \$ 410,000 | \$ 485,000 | \$ 545,000 |
| | | | | | | Budget Target | \$ 175,000 | \$ 525,000 | \$ 550,000 | \$ 525,000 | \$ 525,000 |

Review Draft 5-Year Action Plan



Board Meeting - November 18, 2019



5-Year Priority Objectives



| Objective | |
|--|----------|
| Protect existing water rights (prepare for adjudication) | ●●●●●●●● |
| Protect Bear River allocation | ●●●● |
| Provide adequate reliable future culinary supply | |
| Provide adequate reliable irrigation supply | ●● |
| Maintain existing irrigation delivery systems | |
| Keep rights to water that are converted from M&I uses in Cache | ●●● |
| Promote secondary water systems | |
| Conserve water | ● |
| Promote collaboration and focus on regional projects | |
| Minimize Costs | |
| Inform public about Bear River development | |
| Inform public about current and future water situation | |

| Objective | |
|---|-----|
| Maintain or improve environmental quality | ●● |
| Protect water quality and drinking water sources | ●●● |
| Minimize power consumption | |
| Complete smart sustainable projects | |
| Maximize beneficial use | |
| Provide services to county residents | |
| Bank water rights | ●●● |
| Develop relationships and reputation as a trusted resource and advocate | ●● |
| Represent Cache residents on water legislation issues | ●● |
| Provide technical assistance to water entities | ●●● |
| Fund water related studies | |

Board Meeting - November 18, 2019



5-Year Priorities



| | |
|--|---|
| Protect Water Rights and Supplies | Protect Bear River Allocation |
| Bank Water Rights | Provide Adequate Reliable Irrigation Supply |
| Conserve Water | Provide Funding and Technical Assistance |
| Guide Water Legislation | Improve Understanding of Environmental Water Needs |

5-Year Action Plan



| Focus Areas | Proposed Actions | | | | |
|-------------------------|--|--|--|--|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| Water Banking | Participate in water banking pilot program - work with DWRe to complete study. Investigate leases for in-stream flows. | Participate in water banking pilot program - work with DWRe to complete study. Investigate leases for in-stream flows. | Create a water bank (website, management, etc.) and begin advertising. | Continue management and implementation of bank. Hire part time water bank coordinator. | Continue management and implementation of bank. |
| Estimated Budget | \$10,000 | \$10,000 | \$10,000 | \$50,000 | \$50,000 |

| Related 5-Year Priorities |
|---|
| Protects Water Rights and Supplies Banks Water Rights Provides Adequate Reliable Irrigation Supply Guides Water Legislation Improves Understanding of Environmental Water Needs |

5-Year Action Plan



| Proposed Actions | | | | | |
|--------------------------------------|---|--|--|---|--|
| Focus Areas | 2020 | 2021 | 2022 | 2023 | 2024 |
| Multi-Jurisdictional Secondary Water | Obtain funding for Crockett pressure irrigation Project. Start Crockett environmental process. Support other secondary water opportunities. | Crockett environmental study. Mapping of secondary water systems. Support other secondary water opportunities. | Crockett environmental study. Mapping of secondary water systems. Support other secondary water opportunities. | Support Crockett design. Feasibility study for another secondary system. Support other secondary water opportunities. | Begin Crockett construction. Feasibility study for additional secondary system. Hire a part time project coordinator. Support other secondary water opportunities. |
| Estimated Budget | \$25,000 | \$75,000 | \$75,000 | \$50,000 | \$100,000 |

Related 5-Year Priorities

- Protects Water Rights and Supplies
- Provides Adequate Reliable Irrigation Supply
- Conserves Water
- Provides Funding and Technical Assistance
- Improves Understanding of Environmental Water Needs

Board Meeting - November 18, 2019



5-Year Action Plan



| Proposed Actions | | | | | |
|------------------------|--|--|--|--|---|
| Focus Areas | 2020 | 2021 | 2022 | 2023 | 2024 |
| Bear River Development | Review the current DWRe Bear River Development report as it applies to Cache Water District. | DWRe discussions about long term plans for Cache County. Funding for study of environmental demands along streams. | Evaluate environmental demands along streams and rivers. | Begin a feasibility evaluation on potential local reservoir sites. | Continue reservoir feasibility evaluations. |
| Estimated Budget | \$5,000 | \$25,000 | \$100,000 | \$100,000 | \$100,000 |

Related 5-Year Priorities

- Protects Water Rights and Supplies
- Protects Bear River Allocation
- Provides Adequate Reliable Irrigation Supply
- Guides Water Legislation
- Improves understanding of Environmental Water Needs

Board Meeting - November 18, 2019



5-Year Action Plan



| Focus Areas | Proposed Actions | | | | |
|----------------------------------|---|---|--|---|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| Multi-Jurisdictional ASR Program | Obtain funding for Green Canyon and River Park Well ASR evaluation. | Evaluate Green Canyon and River Park Well ASR projects. | Create water development agreements for an ASR project if studies show favorable outcomes. | Support and coordinate design of ASR system(s). Evaluate other ASR sites. | Support and coordinate construction of ASR system(s). Evaluate other ASR sites. |
| Estimated Budget | \$25,000 | \$25,000 | \$25,000 | \$50,000 | \$50,000 |

| Related 5-Year Priorities |
|--|
| Protects Water Rights and Supplies Protects Bear River Allocation Provide Adequate Reliable Irrigation Supply Provides Funding and Technical Assistance |

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5-Year Action Plan



| Focus Areas | Proposed Actions | | | | |
|----------------------------------|---|--|---|---|--|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| Irrigation Delivery Efficiencies | Obtain funding and measure seepage losses along major canals in Cache County (canals with 30 cfs flows or greater) in cooperation with canal companies. | Continue seepage loss studies. Evaluate return flows to rivers or adjacent riparian areas for canals with high seepage losses. Prioritize areas to pipe or line. | Provide information and support to irrigation companies for grants to line or pipe the segments found with the most seepage loss and fewest impacts to stream flows and natural riparian areas. | Support and coordinate design of improvements. Begin grant assistance for other projects. | Support and coordinate construction of improvements. |
| Estimated Budget | \$30,000 | \$50,000 | \$50,000 | \$50,000 | \$50,000 |

| Related 5-Year Priorities |
|---|
| Protects Water Rights and Supplies Provides Adequate Reliable Irrigation Supply Conserves Water Provides Funding and Technical Assistance Improves understanding of Environmental Water Needs |

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5-Year Action Plan



| Focus Areas | Proposed Actions | | | | |
|----------------------------------|---|-------------------|-------------------|-------------------|-------------------|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| State Committees and Legislation | Continuing Actions: Monitor legislative activity, provide information on new water related bills including secondary metering bill (S.B. 52). Participate in Utah Water Task Force, Bear River Development meetings and TMDL meetings. Assist in drafting new water bills. | | | | |
| Estimated Budget | Covered in Salary | Covered in Salary | Covered in Salary | Covered in Salary | Covered in Salary |

| Related 5-Year Priorities |
|---|
| Protects Water Rights and Supplies Protects Bear River Allocation Investigates Water Banking Provide Adequate Reliable Irrigation Supply Guides Water Legislation |

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5-Year Action Plan



| Focus Areas | Proposed Actions | | | | |
|------------------|---|---|---|--|---|
| | 2020 | 2021 | 2022 | 2023 | 2024 |
| Conservation | Conduct secondary water audits with USU. Participate in slow the flow campaign. Conduct water-wise landscaping classes. | Conduct secondary water audits with USU. Participate in slow the flow campaign. | Conduct secondary water audits with USU. Participate in slow the flow campaign. | Conduct secondary water audits with USU. Participate in slow the flow. Demonstration garden planning. Hire part time conservation coordinator. | Conduct secondary water audits with USU. Participate in slow the flow campaign. Demonstration garden. |
| Estimated Budget | \$20,000 | \$25,000 | \$30,000 | \$65,000 | \$75,000 |

| Related 5-Year Priorities |
|---|
| Conserves Water Provides Funding and Technical Assistance Improves Understanding of Environmental Water Needs |

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5-Year Action Plan



| Proposed Actions | | | | | |
|------------------|--|----------|----------|----------|----------|
| Focus Areas | 2020 | 2021 | 2022 | 2023 | 2024 |
| Local Outreach | Continuing Actions: Give annual city manager updates and city council updates to promote 40 year water rights plans, give legislative updates, and discuss other key water issues such as source protection. Meet with cities and irrigation companies that express interest in secondary water systems. Promote outdoor water conservation at local water efficient landscaping workshops. Plan annual Northern Utah Water Conference and participate in annual local water fair. | | | | |
| Estimated Budget | \$10,000 | \$10,000 | \$20,000 | \$20,000 | \$20,000 |

| Related 5-Year Priorities |
|--|
| Protects Water Rights and Supplies Protects Bear River Allocation Investigate Water Banking Conserves Water Provides Funding and Technical Assistance Improves Understanding of Environmental Water Needs |

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5-Year Action Plan



| Proposed Actions | | | | | |
|------------------|---|-----------|-----------|-----------|-----------|
| Focus Areas | 2020 | 2021 | 2022 | 2023 | 2024 |
| Other | Assist with other multijurisdictional opportunities as they arise and as they fit within the purposes of CWD. | | | | |
| Estimated Budget | \$50,000 | \$100,000 | \$100,000 | \$100,000 | \$100,000 |

| Related 5-Year Priorities |
|---------------------------|
| To be determined |

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Estimated Budget Plan



| Focus Areas | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------------------------------|-------------------|-------------------|-------------------|------------------|-------------------|
| Water Banking | \$ 10,000 | \$ 10,000 | \$ 10,000 | \$ 50,000 | \$ 50,000 |
| Multi-Jurisdictional | \$ 25,000 | \$ 75,000 | \$ 75,000 | \$ 50,000 | \$ 100,000 |
| Bear River Development | \$ 5,000 | \$ 25,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 |
| Multi-Jurisdictional ASR | \$ 25,000 | \$ 25,000 | \$ 25,000 | \$ 50,000 | \$ 50,000 |
| Irrigation Delivery Efficiencies | \$ 30,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 | \$ 50,000 |
| State Committees and Legislation | Salary | Salary | Salary | Salary | Salary |
| Conservation | \$ 20,000 | \$ 25,000 | \$ 30,000 | \$ 65,000 | \$ 75,000 |
| Local Outreach | \$ 10,000 | \$ 10,000 | \$ 20,000 | \$ 20,000 | \$ 20,000 |
| Other | \$ 50,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 | \$ 100,000 |
| Yearly Totals | \$ 175,000 | \$ 320,000 | \$ 410,000 | \$485,000 | \$ 545,000 |

Next Steps



- J-U-B to integrate revisions based on this meeting
- J-U-B will send the draft report to Nathan by the end of the week
- Draft report comment period
- Final 5 year plan
- Update of water supply and demand projections from DWRe