

Teton Conservation District
Strategic Planning Document



Mission

The mission of the Teton Conservation District is to promote conservation and management of natural resources-air, land, water, vegetation and wildlife-through watershed-based research, education, conservation practices, cooperative projects, and on-the-ground actions to ensure the health, safety and general welfare of the people and resources of this area.

Board of Supervisors:

Board Chair: Dave Adams
Vice Chair: Bailey Schreiber
Treasurer: Tom Campbell
Secretary: Sandy Shuptrine
Supervisor: Bob Lucas
Associate: Boyd Bowles
Associate: Tom Breen

Staff:

Executive Director (ED): Tom Segerstrom
Administrative Manager (AM): Emily Hagedorn
Conservation Program Coordinator (CPC): Robb Sgroi
Water Resource Specialist (WRS): Carlin Girard
GIS / Wildlife Specialist (GISWS): Morgan Graham

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Teton Conservation District Strategic Plan

*Approved 3/17/15 with addition on 4/21/15
Amended 1/27/16*

Introduction

The following plan is intended to inform TCD program work through FY 16 and for approximately five years beyond. Specifically, it provides guidance to be used for FY 16 budget preparation and to create a basis for financial estimates through FY 2021. It should be considered an amendable blueprint, especially as it relates to tasks and assignments.

You are encouraged to focus on goals and strategies as they are stated and to remember they may be revised, if Supervisors agree. For now, the concepts and intentions (goals and strategies), when approved, allow staff to proceed with the important work to be done and for Supervisors to review and approve a budget that supports TCD work.

This Strategic Plan is the result of the November 8, 2014 board and staff retreat facilitated by Cindy Harger, when water resources, agriculture related subjects and wildlife were identified as highest priority. Subsequent topic oriented small group meetings facilitated by Sandy Shuptrine were held, and individual staff input put substance to the plan, especially related to strategies and tasks. Sincere thanks to all who contributed to envisioning the future work of the Teton Conservation District.

Program Area: Administration

Goal 1.0: TCD will stay current with organizational responsibilities through good communication among staff, board and partners.

Strategy 1.1.0- Organize/promote quarterly tenant meetings to address any current concerns/issues/ideas/introductions.

Who: AM

Timeframe: 2016-2021

Cost: In kind

Strategy 1.2.0- Investigate and implement computer back-up

Who: Qualified staff

Timeframe: 2016

Cost: TBD

Strategy 1.3.0- Develop a database strategy for water and other datasets.

Who: Qualified staff and advisors

Timeframe: 2016 -2021
Cost: TBD

Task 1.3.1: Acquire technical assistance, if needed

Who: ED with advice from qualified staff.

Timeframe: begin FY 2016 and as needed

Cost: TBD with board approval

Task 1.3.2: Set up a 'library' to facilitate access for staff and public.

Task 1.3.3: Develop a data release policy.

Strategy 1.4.0- Stay current with workplace safety requirements, training and practices including CPR and First Aid.

Who: ED or as delegated

Timeframe: FY 2016 and each year thereafter

Strategy 1.5.0- Investigate vehicle fleet options and present a recommendation to Supervisors for review and approval.

Who: ED

Timeframe: ASAP before FY 2016 budget approval

Cost: In kind

Strategy 1.6.0- Establish a financial management policy for Supervisor approval that addresses thresholds, protocols and regular remittances.

Who: ED, AM, TCD Treasurer and financial advisors

Timeframe: FY 2016

Strategy 1.7.0- Conduct annual reviews of all staff

Who: ED or Supervisors

Timeframe: Spring 2015 and each year thereafter.

Cost: Consider performance, cost of living and salary matrix for each employee. Also investigate any WY Retirement System changes.

Strategy 1.8.0-Review annually and update, if needed, TCD Policy Manual and Staffing Chart.

Who: Supervisors with advice from Counsel and considering input from staff.

Timeframe: March 2015 and each Spring thereafter.

Cost: TBD

Goal 2.0: Establish criteria and guidelines for approval of grant applications to TCD.

Strategy 2.1.0- Decide which TCD partnerships should be included in the TCD annual budget

Task 2.1.1- Develop longer-term agreements with consistent partners such as Weed and Pest, WGFD, YTCEC, ISW&R, USGS

Who: ED and program staff with Supervisor approval
Timeframe: FY15-16
Cost: In kind

Strategy 2.2.0- Address grant requests on a quarterly basis, with a focus on mission and program relevance, as well as technical assistance from TCD. Areas of relevance include water management and quality, erosion control, food production/gardens, weed management, energy efficiency, fire defense work, biomass utilization, recycling and composting.

Task 2.2.1- Supervisors, with staff advice, determine grants limits.

Task 2.2.2- Review grant applications for accuracy, instructions, etc.

Who: AM

Timeframe: upon submittal

Cost: In kind

Task 2.2.3- Prepare staff recommendation for Supervisors

Who: Relevant staff

Timeframe: April 2015 and quarterly FY16-21

Cost: In kind

Task 2.2.4- Review requests and provide timely decision to applicants

Who: Supervisors and staff

Timeframe: Quarterly basis

Cost: In kind, and project funding

Strategy 2.3.0-Include a total sum line item in annual budget for projects approved and not already included as separate line items in the budget.

Who: Staff and board

Timeframe: by April 2015 and every April thereafter

Cost: In kind

Goal 3: Annually implement the Administrative Plan of Work.

Who: AM

Timeframe: Each fiscal year

Cost: In-kind or with ED/Board approval.

Goal 4: Gather information and create file regarding potential facility opportunities that may better meet TCD needs and operations.

Goal 5: Hire staff to implement this plan with responsible budgeting for same.

Program Area: Agriculture

Goal 1.0: Support grazing utilization and stewardship of rangelands

Strategy 1.1.0- Support range infrastructure improvements.

Task 1.1.1- Provide supporting resources for design, engineering, and implementation of the improvement and maintenance of the wide variety of water development projects. Target support for projects including agricultural benefits, water resources benefits, ecological services benefits.

Who: CPC, WRS, Bridger-Teton National Forest (BTNF), stockgrowers

Timeframe: Ongoing, need based

Cost: In-kind. Est. \$25,000/ year.

Task 1.1.2- Provide supporting resources for design, engineering, and implementation of the improvement and maintenance of the wide variety of fence infrastructure projects. Design projects with cooperators. Target projects including, but not exclusive to, modification of existing fencing to improve effects upon wildlife, riparian fencing, interior and boundary containment, and drift management.

Who: CPC, NRCS, WYDOT, BTNF, GTNP, Jackson Hole Wildlife Foundation

Timeframe: Ongoing, need based

Cost: In-kind. Est. \$15,000/ year.

Strategy 1.2.0- Support separation of wildlife and domestic livestock, as well as reduction in disease transmission from wildlife to livestock.

Task 1.2.1- Interact with federal agencies and private landowners, as a TCD Cooperating Agency, re: feedgrounds and grazing allotments.

Who: Conservation Program Co-ordinator

Timeframe: Begin in 2015

Cost: in-kind

Task 1.2.2- Identify project partnering opportunities such as fencing, water sources, feeding operations, vegetation production and adaptation.

Strategy 1.3.0- Support collection of natural resource condition information and monitoring data on public land grazing allotments

Task 1.3.1- Develop a Joint Cooperative Permittee Monitoring (JCPM) training system and schedule, that defines resources provided and finite timelines, for stockgrowers.

Who: CPC, University of Wyoming Extension, BTNF, stockgrowers

Timeframe: Ongoing, continuous annual effort

Cost: In-kind, est. \$2,000/ year

Task 1.3.2- Identify TCD's role in the collection of trend monitoring data on public land grazing allotments. Provide annual TCD funds to support that data collection.

Who: CPC, BTNF
Timeframe: One year
Cost: In-kind, \$10,000/ year.

Task 1.3.3- Extend the existing five year Challenge Cost-Share Agreement (CCSA) with the Bridger-Teton National Forest, describing a Plan of Work and Budget for range monitoring and collaborative range improvements, for 2015-2020.

Who: CPC, BTNF, stockgrowers
Timeframe: 2015-16
Cost: In-kind

Task 1.3.4- Locate and secure funding sources, including Wyoming Department of Agriculture (WDA) Rangeland Health Assessment Program (RHAP) grants to fund *range monitoring and support activities*

Who: CPC, WDA
Timeframe: Ongoing, continuous annual effort
Cost: In-kind

Strategy 1.4.0- Support rehabilitation of rangelands impacted by anthropogenic disturbance

Task 1.4.1- Cooperate with land management agencies and stockgrowers to identify needs.

Who: CPC, stockgrowers, BTNF, GTNP, WDA
Timeframe: Ongoing
Cost: In-kind

Task 1.4.2- Provide resources for planning and implementation of rehabilitation projects

Who: CPC, GTNP, BTNF, WDA
Timeframe: Ongoing
Cost: In-kind. \$10,000/ year

Task 1.4.3- Promote utilization of TCD-owned seed drill

Who: TCD staff, Teton County Weed & Pest District (TCWP)
Timeframe: Ongoing
Cost: In-kind

Strategy 1.5.0- Support management practices that enhance and conserve native soils, for agricultural purposes

Task 1.5.1- Provide assistance for soil testing, analysis, management plan development

Who: TBD, NRCS, UW Extension
Timeframe: Ongoing
Cost: \$1,000/ year

Task 1.5.2- Provide information re: soil enhancing practices to producers and the general public through publications and potential workshops.

TBD

Strategy 1.6.0-Analyze and support proposed grazing legislation

Task 1.6.1- Advocate for proposed legislation which meets the mission of TCD, and is of benefit to stockgrowers and natural resources within Teton County

Who: ED, CPC

Timeframe: Ongoing

Cost: In-kind

Strategy 1.7.0- Review land management agencies' schedule of proposed actions

Task 1.7.1- Analyze and comment on proposed actions, with support for agricultural activities and conservation of natural resources

Who: ED, CPC

Timeframe: Ongoing

Cost: In-kind

Strategy 1.8.0-Provide technical support for National Environmental Policy Act (NEPA) planning on grazing allotments.

Task 1.8.1-Provide support and expertise to the BTNF in analyses including but not exclusive to areas where TCD has collection range monitoring data.

Who: CPC

Timeframe: 2015-2020

Cost: In-kind, \$1,000 per year.

Goal 2.0 Support improvements to, and stewardship of, croplands

Strategy 2.1.0- Support rehabilitation of croplands affected by catastrophic circumstances.

Task 2.1.1- Provide TCD grant funding for cropland rehabilitation

Who: CPC, NRCS (Farm Bill)

Timeframe: Ongoing

Cost: \$20,000 / year

Strategy 2.2.0- Support irrigation system improvements that are eligible for NRCS programs (see note below).

Task 2.2.1-Research and understand existing irrigation systems and make the information publicly available; identify maintenance deficits; coordinate with Level 1 Water Study.

Who: TCD staff

Timeframe: begin FY 2016

Cost: in-kind

Task 2.2.2-TCD will organize water right holders re: irrigation system management (headgates, culverts and other infrastructure, for example).

Who: CPC, NRCS, TCWP

Timeframe: Ongoing

Cost: est. \$20,000/

(NOTE: consider further defining if projects need be ‘eligible’, ‘enrolled’, or other in NRCS programs. Also consider assistance to projects that do not meet NRCS eligibility criteria.)

Strategy 2.3.0-Support water conservation and erosion control projects related to cropland productivity. Also consider projects that provide other ecological services.

Task 2.3.1- Provide TCD funding and staff support

Who: CPC

Timeframe: Ongoing

Cost: In-kind, est. \$20,000/ year

Goal 3.0: Support small acreage agriculture.

TBD (workshops, publications, tech support, etc.)

Strategy 3.1.0- Support approval of hoop house construction in Teton County

Task 3.1.1- Cooperate with Teton County Planning & Development Department (TCPD) in the revision of Land Development Regulations (LDRs), to allow construction of hoop and green houses.

Who: ED, TCPD, NRCS, Building Official

Timeframe: in conjunction with TC LDR revisions

Cost: In-kind

Task 3.1.2- Cooperate with Natural Resources Conservation Service (NRCS) to inquire into their ability to alter their hoop house designs to fit within current Teton County WY regulations

Who: ED, TCP&D, NRCS

Timeframe: In conjunction with LDR revisions or asap.

Cost: In-kind

Strategy 3.2.0- Support indoor agriculture

Task 3.2.1- Investigate opportunities for vacant lots to be utilized for agriculture.

Who: Tom Segerstrom, TCD staff, County Planners, Univ. WY. CES

Timeframe: Implement by 12/2016

Cost: In-kind

Task 3.2.2- Research relevant roles for TCD’s involvement in projects like Vertical Greenhouse. For example- how wastewater is managed, watering, heating

Who: Univ. WY CES, WDA, NRCS and relevant TCD staff

Timeframe: Develop framework of roles by FY/2017

Cost: TBD in 2017 Program Plan

Task 3.2.3- Provide support for development of community gardens

Who: ED, Teton County/Jackson Parks & Recreation, UW Extension

Timeframe: Implement by 12/2017

Cost: est. \$10,000/ year, In-kind from Terra Firma (previous commitment to provide material, annually, to Teton County), volunteer labor (Boy Scouts of America, other).

Strategy 3.4.0- Support enhancement and conservation of native soils and natural systems.

Task 3.4.1- Deliver information and education, through workshops, publications, site visits.

Who: TCD, NRCS, WDA, USDA staff and representatives

Timeline: FY 2016-21

Cost: in-kind, event and publication expenses

Task 3.4.2- Provide technical support to growers and contractors, including a landscape conservation plan.

Who: relevant TCD staff

Timeframe: as requested

Cost: in-kind

Goal 4.0: Support the control of Teton County Declared and Wyoming Designated noxious weeds with agency partners.

Strategy 4.1.0- Administer the Teton Conservation District Noxious Weed Program

Task 4.1.1- Provide TCD administrative support to TCWP, for program financial management, including check writing

Who: AM, TCWP

Timeline: Ongoing, annual

Cost: \$1,000 / year

Task 4.1.2- Provide a TCD liaison to Teton County Weed & Pest District (TCWP) in the cooperative oversight of the program

Who: CPC, TCWP

Timeline: Ongoing, annual

Cost: In-kind, \$1,000 / year

Task 4.1.3- Develop a multi- year contract with Teton County Weed & Pest District to define roles in the Noxious Weed Program

Who: ED, CPC, TCWP

Timeline: Near term- prior to May, 2015. Long term- based on term of contract

Cost: In-kind

Task 4.1.4- Fund a multi-year contract with Teton County Weed & Pest District for the Noxious Weed Program, and fund landowner reimbursements

Who: CPC, TCWP

Timeline: Near term – prior to May, 2015. Long-term based on term of contract

Cost: \$65,000/ year, plus \$125,000 / year

Strategy 4.2.0- Support the Jackson Hole Weed Management Association

Task 4.2.1- Develop, in cooperation with Teton County Weed & Pest District, a budget for tasks that TCD will financially support, which would be placed into the TCD Annual Budget

Who: CPC, TCWP

Timeline: Annual review

Cost: In-kind, approx. \$40,000/ year

Strategy 4.3.0- Develop a plan for remapping noxious weeds on TCD Noxious Weed Program properties.

Task 4.3.1- Develop and fund a contract with TCWP to remap properties

Who: CPC, TCWP

Timeline: Plan development by May, 2015. Implement by November 2015

Cost: In-kind, \$38,100 for 2015

Goal 5.0: Research Genetically Engineered (GE) agricultural products, to better define any role TCD should have re: use and advice such as labeling, health and safety, production, ecological effects.

Strategy 5.1.0- Understand issues surrounding GE products, and define TCD's role.

Task 5.1.1- Reach out to Wyoming Association of Conservation Districts to understand any statewide positions.

Who: CPC

Timeline: Implement by 12/2015

Cost: In-kind

Task 5.1.2- Research issues to better inform TCD's involvement.

Who: CPC and other relevant TCD staff/supervisors

Timeline: Completed by 12/2016

Cost: In-kind

Goal 6.0: Conduct outreach to agricultural producers, to assess local agricultural needs.

Strategy 6.1.0- Develop a communication plan for agricultural producer outreach.

Task 6.1.1- Execute the above plan to understand agricultural producer needs, and develop programs based on those needs. Examples include outreach on Spill Prevention, Control, and Countermeasure (SPCC), submitting proposals to land management agencies for improvements, etc.

Who: CPC

Timeline: 2015-2020

Cost: In-kind, est. \$6,000/ year

Goal 7.0: Support research conducted by University of Wyoming on relevant, local, agricultural issues

Strategy 7.1.0- Communicate with University of Wyoming Extension; create dialogue on both Extension's vision for research and local issues deserving research.

Task 7.1.1- Support UW Extension's (Derk Scasta) study of plant toxicity amounts relative to timing, as it relates to livestock.

Who: CPC ; When: FY2019; Cost: In-kind, \$10,000.

Program Area: Mapping Resources, Geographic Information Systems (GIS)

Goal 1.0: Develop and maintain infrastructure allowing TCD to meet internal and external GIS needs

Strategy 1.1.0- Maintain MapInfo, ESRI, and other GIS software

Task 1.1.1- Review and acquire needed and available upgrades to GIS software

Who: CPC, WRS

Timeframe: 2015-2020

Cost: \$2,500 one time cost

Strategy 1.2.0- Cooperate with TCD's Information Technology (IT) contractor- currently Compunet- to develop and maintain a stable and secure platform for GIS storage and management

Task 1.2.1- Cooperate with Compunet to develop a plan that addresses developing an IT system that meets staff GIS needs

Who: CPC, WRS, Compunet, Greenwood Mapping, Inc.

Timeframe: FY 2017

Cost: In-kind, Compunet contractual costs, \$1,500

Strategy 1.3.0- Support ongoing training of staff in GIS and other mapping resources skills

Task 1.3.1- Implement training in new and existing software, including free online training.

Who: WRS, CPC

Timeframe: 2015-2020

Cost: In-kind, \$500/ year

Strategy 1.4.0- Support ongoing management and updating of GIS reference data.

Task 1.4.1- Keep GIS data updated in accordance with dataset requirements, seek out sources of relevant reference data

Who: CPC, WRS, Greenwood

Timeframe: 2015-2020
Cost: In-kind

Goal 2.0: Continue the contract with Greenwood Mapping, Inc., for mapping resources and GIS services

Strategy 2.1.0- Utilize services from Greenwood Mapping, Inc., to assess, plan, and implement mapping resources projects.

Task 2.1.1- Utilize contractual services as needed
Who: WRS, CPC, Greenwood Mapping, Inc.
Timeframe: FY 2015-2020
Cost: In-kind, \$4,000/ year

Goal 3.0: Improve the application of GIS into Program Areas

Strategy 3.1.0- Integrate GIS technology into Program Areas.

Task 3.1.1- Develop a GIS database for water quality data
Who: WRS
Timeframe: xxx
Cost: In-kind, xxx

Task 3.1.2- Seek opportunities to expand historical aerial imagery datasets, and to improve the technology to deliver this information
Who: Robb, Greenwood Mapping, Inc.
Timeframe: FY 2015-2020
Cost: In-kind, included in Greenwood annual budget

Task 3.1.3- TCD will support the hosting of historic aerial imagery on the Teton County Map Server
Who: CPC, Greenwood
Timeframe: 2015-2020
Cost: \$500/ year

Task 3.1.4- Review each program areas and needs for developing and implementing plans for integrating GIS
Who: ED, WRS, AM, CPC
Timeframe: FY 2017
Cost: In-kind, Greenwood annual budget

Goal 4.0: Support local Agencies and not-for-profits with GIS projects and applications...?

Strategy 4.1- Provide support to Teton County in cooperative GIS projects.

Task 4.1.1- Cooperate with Teton County Planning & Development to define a process for accepting corrections to the 2014 Vegetation Map GIS layer, and implement the corrections
Who: CPC

Timeframe: FY 2015-2020
Cost: \$1,200/ year

Task 4.1.2- Cooperate with Teton County Planning & Development to define and implement a process to incorporate GIS information, collected in Environmental Assessments, and incorporate that information into existing GIS layers

Strategy 4.2- Provide authorized GIS technical assistance requests

Program Area: Restoration and Sustainability

Goal 1: Remain abreast of Army Corps of Engineers Snake River Restoration projects and consider cost-share requests.

Strategy 1.1.0-Dedicate staff time to relevant communications and interaction.

Who: ED or as delegated
Timeframe: FY 16 and FY 2017-2021
Cost: In-kind with potential travel costs.

Strategy 1.2.0-TCD will maintain a list of potential cost-share in-kind or direct expenses.

Task 1.2.1-Participating staff will keep a record of time spent and travel expenses on Snake River Restoration planning, site visits, activities, etc.

Who: staff and Supervisors, as appropriate.
Timeframe: FY 16 and FY 17-21
Cost: In-kind

Task 1.2.2-Coordinate with stakeholders (WGFD, property owners, etc.) regarding natural resource interests.

Who: ED and as delegated. Possibly utilize wildlife collaborative.
Timeframe: FY16, FY 17-21
Cost: In-kind

Task 1.2.3-Participate in co-operative monitoring for specific sites.

Who: Staff, as delegated by ED and cooperating entities
Timeframe: FY16, FY 17-21
Cost: In-kind plus necessary equipment.

Goal 2: Develop a native plant program area, including goals and strategies.
Whom, timeframe and cost-TBD

Goal 3: TCD board and staff understand and play an active role in the Upper Snake River Watershed Level 1 Study.

Strategy 3.1.0-Include RFP review on TCD regular meeting agenda, as soon as available.

Who: Board and staff

Timeframe: ASAP

Cost: In-kind (do we need to keep record?)

Strategy 3.2.0-Maintain TCD internal communication re: interaction with the Water Development Commission.

Who: ED, staff, board

Timeframe: as it occurs

Cost: In-kind

Strategy 3.3.0- Facilitate external communications with stakeholders.

Task 3.3.1-Collaborate with WDC on planning and organizing 2-3 stakeholder meetings.

Who: ED and as delegated (wildlife collaborative venue?)

Timeframe: as requested

Cost: In-kind

Goal 4.0: Support, partner, and provide assistance for recycling, household hazardous waste disposal, e-waste disposal, rechargeable batteries, and other waste that may be processed or utilized to diminish environmental damage, conserve natural resources, and to reuse materials for useful products.

Strategy 4.1.0- Coordinate and partner with agencies, organizations, private enterprise, and the public to develop and implement materials diversion, recycling, and associated education and outreach.

Task 4.1.1- Partner with Teton County Integrated Solid Waste & Recycling and other partners to recycle household hazardous, e-waste, rechargeable batteries and other appropriate materials for safe handling, reuse, and resource benefits.

Who: Executive Director, TCISWR, Private Companies

Timeframe: FY 2015 – FY2020

Cost: In-kind, annual \$ for cost share, advertising, workshops, some travel.

Goal 5.0: Support, partner, and provide assistance for use of diverted woody biomass, organic landscape materials, food waste, manure, and other appropriate organic materials that may be processed and developed into useful products for landscape management, food production, erosion control materials, energy production, and other beneficial uses.

Strategy 5.1.0- Coordinate and partner with agencies, organizations, private enterprise, and the public to develop and implement organic materials diversion and recycling education and outreach.

Task 5.1.1- Partner with Teton County Integrated Solid Waste & Recycling, private organics processing companies, HOA's, Waste Haulers, and other partners to conduct workshops, activities, professional training, and to provide education materials.

Who: Executive Director, TCISWR, Private Companies

Timeframe: FY 2015 – FY2020

Cost: In-kind, annual \$ for advertising, workshops, some travel

Task 5.2.1- Partner with Teton County Integrated Solid Waste & Recycling, private organics processing companies, HOA's, Waste Haulers, and other partners to plan, design, and implement organic product use demonstration projects, and to assist community scale diversion, processing, and product use.

Who: Executive Director, TCISWR, Private Companies

Timeframe: FY 2015 – FY2020

Cost: In-kind, annual \$ for technical assistance, project cost share, some travel.

Goal 6.0: Support, partner, and provide assistance for use of alternative vehicle fuels that reduce harmful emissions, are cost efficient for consumers, increase vehicle and/or transportation efficiency, and enhance use of U.S. domestically produced products.

Strategy 6.1.0- Coordinate and partner with agencies, organizations, private enterprise, and the public to develop and implement alternative vehicle fuels education and outreach.

Task 6.1.1- Partner with the Yellowstone-Teton Clean Energy Coalition, Wyoming Natural Gas Vehicle Infrastructure Coalition, Energy Conservation Works, and other partners to conduct workshops, activities, professional training, and to provide education materials.

Who: ED, YTCEC, WYNGVI, ECW

Timeframe: FY 2015 – FY2020

Cost: Annual \$ for advertising, workshops, technician training, travel; & in-kind.

Strategy 6.2.0- Coordinate and partner with agencies, organizations, private enterprise, and the public to develop and implement alternative vehicle fuels incentives, infrastructure, and legislation support.

Task 6.2.1- Provide cost share incentives to vehicle owners for alternative vehicle fuel OEM purchases or conversions, assistance for conversion and maintenance technician training, and the conducting of fleet audits for managers and/or owners.

Who: ED, YTCEC, WYNGVI, ECW, WY Dept. Workforce Services, WBC

Timeframe: FY 2015 – FY 2017

Cost: Annual budget allocation and in-kind

Task 6.2.2- Support State legislation efforts that provide incentives, technical support, education, and other support for alternative vehicle fuels utilization.

Who: ED, YTCEC, WYNGVI, ECW, Legislators

Timeframe: FY 2015 –FY 2020

Cost: In-kind technical assistance and some travel costs

Task 6.2.3- Coordinate efforts with partnering entities to support local and regional fuel dispensing and/or charging infrastructure network for use of alternative vehicle fuels.

Who: ED, YTCEC, WYNGVI, ECW, Private Enterprise, WBC

Timeframe: FY 2015 – FY 2020

Cost: In-kind, annual budget allocation for some travel (workshops & coordination)

Goal 7.0: Support, partner, and provide assistance for use of alternative energy options for ranches, farms, commercial, and residential development that conserve natural resources, are cost efficient for consumers, and enhance use of U.S. domestically produced products.

Strategy 7.1.0- Coordinate and partner with agencies, organizations, private enterprise, and the public to develop and implement alternative energy education and outreach.

Task 7.1.1- Partner with Energy Conservation Works, University of Wyoming Cooperative Extension Service E3A program and other partners to conduct workshops, activities, professional training, and to provide education materials.

Who: ED, ECW, UWCES

Timeframe: FY 2015 – FY2020

Cost: In-kind, Annual \$ for advertising, workshops, travel

Strategy 7.2.0- Coordinate and partner with agencies, organizations, private enterprise, and the public to develop and implement alternative energy demonstration projects, and to provide technical assistance and cost share assistance.

Task 7.1.1- Partner with Energy Conservation Works, University of Wyoming Cooperative Extension Service E3A program, Lower Valley Energy, and other partners to develop alternative energy demonstration projects, and to provide technical assistance and cost share incentives when appropriate and feasible.

Who: ED, ECW, UWCES, LVE

Timeframe: FY 2015 – FY2020

Cost: In-kind, Annual \$ for projects and cost share incentives, travel

Goal 8.0 Cooperate with Teton Area Wildfire Protection Coalition (TAWPC) in efforts involving Wildland Urban Interface (WUI) and Defensible Space.

Strategy 8.1.0- Cooperate in the implementation of the Community Wildfire Protection Plan (CWPP).

Task 8.1.1- Mitigate wildfire hazards identified in the CWPP through outreach, planning, assessments, and vegetative and structural improvements. Specifically, support prioritized fuel reduction for at-risk communities and essential infrastructure, and provide measures that homeowners and communities can take to reduce the ignitability of structures.

Who: CPC/FMC, TAWPC members

Timeframe: FY 2016-2021
Cost: In-kind, \$5,000/ year

Strategy 8.2.0- Serve as a technical and financial assistance resource for increasing human safety and property protection from wildland fire.

Task 8.2.1- Establish eligibility for FEMA’s Pre-Disaster Mitigation grant, by becoming a signatory to Teton County Emergency Management’s Multi-Hazard Mitigation Plan

Who: CPC/FMC, TC Emergency Management

Timeframe: FY 2016

Cost: In-kind

Task 8.2.2- Request support from Jackson Hole Fire/EMS in collaboratively applying for, and administering, a FEMA Pre-Disaster Mitigation (PDM) grant

Who: CPC/FMC, JH Fire/EMS

Timeframe: FY 2016, 2017

Cost: In-kind, \$1,000

Task 8.2.3- Implement components of the existing (2013) Western States Wildland Urban Interface (WSWUI) grant. This includes outreach through several media types to communities, as well as conducting Wildfire Mitigation Plans on private lands.

Who: CPC/FMC

Timeframe: FY 2016-FY 2018

Cost: In-kind, \$2,000/year

Task 8.2.4- Solicit additional funding opportunities that support implementation of fuels mitigation work

Who: CPC/FMC

Timeframe: FY 2016-FY 2018

Cost: In-kind

Task 8.2.5- Provide Wildfire Mitigation Planning to Teton County, WY, properties, outside of those within the scope of the WSWUI grant

Who: CPC/FMC

Timeframe: FY 2016-FY 2021

Cost: \$3,000/ year

Strategy 8.3.0- Promote the conversion of Wildland Urban Interface project wastewood into forest products (i.e. biomass utilization).

Task 8.3.1- Continue to offer and administer the biomass grant application to landowners meeting TCD’s established guidelines for this cost-share reimbursement program.

Who: CPC/FMC

Timeframe: FY 2016-FY 2021

Cost: \$10,000/ year

Program Area: Teton County Planning and Development: Land Development Regulations

Goal 1.0: Solicit information on sections within Teton County’s existing Land Development Regulations (LDRs), that will benefit from revision and technical substance.

Strategy 1.1.0- Identify and communicate with partners to ascertain needs and potential improvements to LDRs

Task 1.1.1- Communicate with the private sector, including land planners, environmental consultants, and others to determine problematic areas in the LDRs.

Who: CPC

Timeframe: FY 2016

Cost: In-kind

Task 1.1.2- Communicate with the public sector, including Teton County Planning & Development Department to determine problematic areas in the LDRs. Cooperate with TCP&D to ascertain any existing efforts on their part (i.e. public meetings, private meetings with environmental consultants) addressing this same question.

Who: CPC, TCP&D

Timeframe: FY 2016

Cost: In-kind

Goal 2.0: In the existing Land Development Regulations, revise Division 5.1, General Environmental Standards

Strategy 2.1.0- In section 5.1.1, Waterbody and Wetland Buffers, clarify what types of disturbances require setbacks (i.e. landscaping)

Task 2.1.1- Define desired natural attributes for native vegetation adjacent to waterbodies (ex. define a percentage area of native vegetation required adjacent to waterbodies)

Who: WRS

Timeframe: within schedule for natural resource review of Com. Plan-expected 2016.

Cost: In-kind

Task 2.1.2- Review and make recommendations for setback distances from waterbodies (ex. wetlands, streams, rivers)

Who: WRS

Timeframe: within schedule for Comp. Plan natural resource LDR

revisions.

Cost: In-kind

Strategy 2.2.0- In section 5.1.1, Waterbody and Wetland Buffers, establish criteria for irrigation diversions and ponds that directly discharge into streams

Task 2.2.1- Develop and implement a pond study

Who: WRS and potentially contractor

Timeframe: within Comp. Plan review period

Cost: TBD

Task 2.2.2- Develop a water layer of irrigation diversions and ponds that directly discharge into streams

Who: WRS with GIS support

Timeframe: begin FY 2016

Cost: TBD

Task 2.2.3- Develop criteria for irrigation diversions and ponds that directly discharge into streams

Who: WRS lead, WY G and F.

Timeframe: begin 2016

Cost: TBD

Strategy 2.3.0- In section 5.1.2, Wildlife Friendly Fencing, promote practices described in the document ‘A Landowner’s Guide to Fences and Wildlife’

Task 2.3.1- Support implementation of wildlife friendlier fencing practices by providing staff time for planning and assessment of projects.

Who: CPC, landowners and relevant partner agencies

Timeframe: Ongoing

Cost: In-kind, \$25,000/ year

Task 2.3.2- Provide financial support for the implementation of fencing projects. Focus support on reconstruction of existing fences (as opposed to removal of fences), and prioritize lands with agricultural operations. Project designs must meet existing regulations as well as TCD criteria

Who: CPC

Timeframe: Ongoing

Cost: In-kind, \$25,000 / year

Task 2.3.3- Review current fencing standards and make recommendations to further align the goals of numerous agencies and experts, including Wyoming Game & Fish Department, Forest Service

Who: CPC

Timeframe: FY 2016

Cost: In-kind, \$2,000

Strategy 2.4.0- In section 5.1.3, Wildlife Animal Feeding, support the ability of landowners and residents to comply with Teton County feeding regulations

Task 2.4.1- Support compliance with Teton County Land Development Regulations by providing staff time for planning and assessment of projects. Provide financial support for projects implementation. Example-bear fencing from vegetable gardens.

Who: CPC or relevant staff

Timeframe: begin FY 2016

Cost: In-kind, \$5,000/ year

Strategy 2.5.0- In section 5.1.4, Air Quality,

Task 2.5.1- Locate and archive all existing air quality data that has been collected in Teton County, Wyoming

Who: CPC, WYDEQ, Teton County WY government

Timeframe: FY 2016

Cost: \$500

Task 2.5.2- Determine if ongoing US Geological Survey snowpack chemistry studies can support air quality information needs

Who: CPC, USGS

Timeframe: FY 2016

Cost: In-kind

Strategy 2.6.0- In section 5.1.5, Water Quality, provide direction for enforceable water quality standards with regards to development (i.e. water features, waste water, runoff/sediment, temperature, fertilizers, herbicides)

Task 2.6.1- Develop direct discharge criteria from ponds and wells

Who: WRS

Timeframe: TBD

Cost: In-kind, TBD

Goal 3.0: In the existing Land Development Regulations, revise Division 5.2, Environmental Standards Applicable in Specific Areas

Strategy 3.1.0- In section 5.2.1, Natural Resources Overlay (NRO) Standards, improve several existing sections

Task 3.1.1- Re-write cutthroat habitat requirement information with new/best research.

Who: WRS

Timeframe: TBD

Cost: In-kind, TBD

Task 3.1.2- Define what and where irrigation diversions are

Who: WRS

Timeframe: TBD

Cost: In-kind, TBD

Task 3.1.3- Define the proximity of trout spawning to determine protected streams.

Who: WRS

Timeframe: TBD

Cost: TBD

Strategy 3.2.0- Assess products from Teton County, including the Focal Habitat Features project, and support the development of LDRs in the context of that tool.

Task 3.2.1-

Strategy 3.3.0- In section 5.2.2, Bear Conflict Area Standards, cooperate with Wyoming Game & Fish Department (WGFD) to evaluate and improve the current Bear Conflict Priority Areas.

Task 3.3.1- Assess and remap Bear Conflict Priority Areas 3.3.1 AND 3.3.2.

Who: CPC, WGFD

Timeframe: FY 2017

Cost: In-kind, \$ TBD

Task 3.3.2- Assess the value of regulating bear-resistant trash containers county-wide OR AT DIFFERENT SITES AND SCALES. DATA ANALYSIS – HELP DEVELOP PRIORITY AREAS.

Who: CPC, WGFD

Timeframe: FY 2017

Cost: In-kind, \$2,000

Task 3.3.3- Develop a program for, and incentive utilization of bear-resistant trash containers.

Who: CPC

Timeframe: Ongoing, 2017

Cost: In-kind, \$20,000 / year

Task 3.3.4- Assess the value of regulating residential compost for resistance to bears AGRICULTURAL EXEMPTIONS? INCENTIVE VS REGULATORY. BANFF AS A CASE STUDY. INCENTIVIZE, NOT REGULATE.

Who: CPC

Timeframe: FY 2017

Cost: In-kind, \$2,000

Goal 4.0: In the existing Land Development Regulations, support existing language in Division 5.4, Natural Hazard Protection Standards.

Strategy 4.1.0- *In section 5.4.5, Wildland Urban Interface, support the existing language, specifically in the ‘Teton County Fire Protection Resolution for New Subdivisions’, which references the ‘International Wildland-Urban Interface Code, 2012 Edition’.*

Task 4.1.1- Provide legislative support to allow continued use of this regulation. A bill, SF0142, is being considered in the Wyoming Legislature that would eliminate county’s ability to interpret or enforce any building codes or standards to a more stringent or burdensome standard.

Who: CPC

Timeframe: Ongoing

Cost: In-kind, \$500 / year

Task 4.1.2- Ensure that Teton County Land Development Regulations on Wildland Urban Interface mesh effectively with WUI programming promoted by Teton Conservation District.

Who: CPC

Timeframe: Ongoing

Cost: In-kind

Goal 5.0: In the existing Land Development Regulations, revise Division 5.5, Landscaping Standards

Strategy 5.1.0- *In section 5.5.4, General Landscaping Standards, develop criteria to improve standards*

Task 5.1.1- Develop criteria for pesticide and fertilizer use within proximity to surface waters.

Who: WRS

Timeline: TBD

Cost: TBD

Goal 6.0: In the existing Land Development Regulations, revise Division 5.7, Grading, Erosion Control, and Storm Water Management

Strategy 6.1.0- *In section 5.7.2, Grading Standards,*

Task 6.1.1- TBD

Who: TBD

Timeline: TBD

Cost: TBD

Strategy 6.2.0- *In section 5.7.3, Erosion Control Standards, ...*

Task 6.2.1- TBD

Who: TBD

Timeline: TBD

Cost: TBD

Strategy 6.3.0- In section 5.7.4, Storm Water Management Standards, further establish the Teton County, WY Storm Water Pollution Prevention Plan (SWPPP) Guide as a tool utilized in permitting and regulation processes

Task 6.3.1- Cooperate with Teton County staff to consider incorporation of the SWPPP into the LDRs and other locations.

Who: TBD

Timeline: TBD

Cost: TBD

Goal 7.0: Analyze Teton County Planning & Development's permitting and review process, and TCD's role in the process

Strategy 7.1.0- Seek opportunities for planning and development reviews where TCD and/or interdisciplinary specialists provide more strategic comments and review

Task 7.1.1- Review the comment process and make recommendations to TCP&D that improve earlier flow of information to applicants (landowners), environmental consultants, and planners.

Goal 8.0: Cite sources that are utilized for supporting regulatory practices

Strategy 8.1.0- Augment language in LDRs, where TCD has an interest, specifically in natural resources, to include a reference to sources cited

Task 8.1.1- Include a list of sources cited with proposed revision language

Who: CPC, WRS

Timeline: Ongoing

Cost: In-kind

Program Area: Water Resources

Goal 1.0: Provide assistance to the Flat Creek Water Improvement District (WID) to successfully mitigate winter time flooding, provide effective public outreach, and operate within budgetary and jurisdictional constraints.

Strategy 1.1.0- Provide approved technical assistance to the WID

Task 1.1.1- Provide administrative guidance for accounting and planning

Who: AM, WRS, ED

Timeframe: 2015-21, with decreasing intensity

Cost: In kind

Task 1.1.2- Provide scientific expertise for flood mitigation and stream projects

Who: WRS, ED

Timeframe: 2015-21, with focus during research, action phases

Cost: In kind

Who: Contractor (??? SS)

Timeframe: During research and action phases

Cost: Project dependent (\$50,000-\$300,000), includes partner cost-share

Task 1.1.3- Collaborate on flood mitigation program implementation and planning

Who: WRS, ED, TCD Board of Supervisors

Timeframe: 2015-21

Cost: Project dependent, via annual budget allocation

Strategy 1.2.0- Provide organization oversight for the WID

Task 1.2.1- Provide oversight of WID development and decision making

Who: ED, TCD Board of Supervisors

Timeframe: 2015-21, but infrequent

Cost: In kind

Task 1.2.2- Consider direct funding requests from the WID

Who: Randy, TCD Board of Supervisors

Timeframe: FY15-16

Cost: Total \$50,000?

Task 1.2.3- Attend quarterly dual board meetings, as is required by statute

Who: TCD Board of Supervisors, ED, WRS

Timeframe: 2015-21

Cost: In kind

Task 1.2.4- Consider pass-through funding requests from the WID

Who: ED, WRS, TCD Board of Supervisors

Timeframe: 2015-21

Cost: In kind

Goal 2.0: Provide input on the execution of countywide stormwater mitigation, including Land Development Regulations (LDR's), WYDOT projects, Town of Jackson Storm Water Comprehensive Plan and FY 15 SPET projects.

Strategy 2.1.0- Promote stormwater sediment mitigation and collection.

Task 2.1.1- Use water quality data to inform future ToJ stormwater mitigation efforts through new research and reporting from ongoing efforts (see WQ monitoring)

Who: WRS

Timeframe: 2015-21, with emphasis on planning and project phases

Cost: In kind, and project funding (?)

Task 2.1.2- Support new mitigation efforts, and ongoing street sweeping, sediment bay cleanout, Karns Wetland operations, construction site mitigation efforts

Who: WRS

Timeframe: FY 2015-21

Cost: In kind

Task 2.1.3- Design and implement sediment retainment on the fairgrounds lot

Who: WRS and contractor

Timeframe: FY16-17

Cost: In kind, and project funding (\$50,000)

Task 2.1.4- Create public outreach program for stormwater in ToJ and Teton County that promotes the TCD SWPPP Guide and BMP's

Who: Contractor, ToJ, WID, Trout Unlimited, WDEQ, TCD Staff

Timeframe: 2015-21

Cost: In kind, and project funding (\$2,000 / yr)

Task 2.1.5- Create a GIS Layer of ToJ impervious surfaces, with insights into the effects of future development plans (i.e. FS land purchase @ Nelson trailhead)

Who: WRS, contractor?

Timeframe: FY16

Cost: In kind, or project funding (\$10,000)

Strategy 2.2.0- Provide LDR feedback with regards to stormwater mitigation regulations

Task 2.2.1- Evaluate and comment on existing development run-off mitigation regulations

Who: WRS

Timeframe: FY15-16

Cost: In kind

Strategy 2.3.0- Establish and maintain relationships to inform future infrastructure development projects (WYDOT, ToJ Public Works, Teton County, Road and Levee, Pathways)

Task 2.3.1- Establish an annual meeting schedule with WYDOT officials to learn about upcoming projects

Who: WRS, ED

Timeframe: FY16

Cost: In kind

Task 2.3.2- Use existing framework provided by the Safe Wildlife Crossing Collaborative to increase TCD knowledge and involvement in road development issues and designs, especially pertaining to fish passage

Who: WRS, ED, Sandy

Timeframe: 2015-21

Cost: In kind, and project funding (?)

Task 2.3.3- Stay involved with road development at South Park bridge to improve/maintain connectivity for wildlife populations, and ecological services

Who: WRS, ED, Sandy

Timeframe: At the time of project implementation

Cost: In kind, and project funding (?)

Task 2.3.4- Develop and maintain a relationship with the National Pollution Discharge Elimination System permitting

Who: WRS, ED

Timeframe: 2015-21

Cost: In kind

Goal 3.0: Monitor and improve water, habitat and fisheries resources in the Flat Creek watershed

Strategy 3.1.0- Use approved water quality sampling techniques to monitor trends in the 303(d) impaired reach of Flat Creek through collaborative partnerships

Task 3.1.1- Conduct water chemistry, suspended sediment, temperature and macroinvertebrate sampling and reporting in Flat Creek

Who: WRS

Timeframe: FY 16-21

Cost: \$10,000 annually

Task 3.1.2- Support and improve upon existing stormwater mitigation in the ToJ (see above stormwater mitigation goals)

Who: WRS, ED, ToJ, WID, WDEQ, WGFD, TU

Timeframe: 2015-21

Cost: In kind

Task 3.1.3- Provide WDEQ monitoring and reporting support for Flat Creek 303(d) listing requirements

Who: WRS

Timeframe: 2015-21

Cost: In kind

Strategy 3.2.0- Support and implement research and aquatic habitat enhancement to support water quality, fish habitat, and agricultural uses along Flat Creek

Task 3.2.1- Approach landowners to discuss potential aquatic habitat enhancement south of Jackson to buffer aquatic degradation from the ToJ

Who: WRS, WGFD, WDEQ

Timeframe: FY16-18

Cost: In kind, project funding from TCD, WDEQ, WGFD, Landowners (\$250,00)

Task 3.2.2- Support aquatic habitat improvement efforts on the National Elk Refuge including instream enhancements and riparian habitat management

Who: WRS, NER, WGFD, TU, SRF

Timeframe: 2015-21

Cost: In kind, project specific funding

Task 3.2.3- Implement a groundwater, surface water interaction study on Flat Creek through the ToJ and relate to winter flood risk, and water quality conditions

Who: WRS, WID, USGS, WDEQ, ToJ

Timeframe: FY16-18

Cost: \$150,000

Strategy 3.3.0- Work with ToJ, Teton County, and the Wyoming Water Development Commission to maintain and improve drinking water resources in the Flat Creek Drainage

Task 3.3.1- Improve Conservation District understanding of drinking water sources and distribution in the Flat Creek watershed

Who: WRS

Timeframe: FY16

Cost: In-kind

Task 3.3.2- Work with the Wyoming Water Development Office/Commission following the Level 1 watershed study to implement ToJ water storage and distribution infrastructure projects

Who: ED, WRS, ToJ, Teton County, WWDO

Timeframe: FY16-18

Cost: \$150,000

Strategy 3.4.0- Work to re-establish historical ecological services that are currently denuded in the Flat Creek Watershed

Task 3.4.1- Work with the ToJ and WGFD to improve resources provided by the Cache Creek as it flows through Jackson.

Who: WRS, ToJ, WGFD, WDEQ, NER

Timeframe: FY 2016-21

Cost: In-kind, as project funding is required.

Task 3.4.2- Reduce fish entrainment into the Kelly Tube, by establishing a fish screen on Cache Creek at Cache Creek Drive, if options to improve connectivity are considered not feasible

Who: WRS, ToJ, WGFD

Timeframe: Following decision for long-term plan for Cache Creek

Cost: In-kind, as project funding is needed (\$80,000)

Goal 4.0: Work with FEMA to maintain a high level of accuracy in floodplain mapping

Strategy 4.1.0- Maintain communication with FEMA and FEMA administrator for data sharing and gathering

Task 4.1.1- Inquire as to how TCD can support improved accuracy of Floodplain boundaries and models

Who: Randy, Carlin, Kurt Stout, Shawn O'Malley

Timeframe: FY16

Cost: In kind, and project dependent

Task 4.1.2- Obtain LiDAR data collected by FEMA during floodplain delineation in the Flat Creek Watershed

Who: Randy, Carlin, Kurt Stout

Timeframe: FY16

Cost: In kind, and project dependent

Goal 5.0: Protect and improve aquatic resources in the Fish Creek Drainage

Strategy 5.1.0- *Work within a Stakeholder framework to promote the above goal*

Task 5.1.1- Collaborate with Friends of Fish Creek to support Stakeholder Group facilitation

Who: WRS, Dave Adams

Timeframe: FY15-17

Cost: \$45,000, cost share with FOFC and 205(j)

Task 5.1.2- Determine TCD/USGS affiliation in and out of a Stakeholder Process

Who: WRS, Dave Adams

Timeframe: FY15

Cost: In kind

Task 5.1.3- Build support and design a nutrient load study for Fish Creek

Who: WRS, Dave Adams

Timeframe: FY15

Cost: In kind

Task 5.1.4- Build support and establish BMP's for nutrients in the Fish Creek Drainage

Who: WRS, Dave Adams, Friends of Fish Creek, Stakeholders, USGS, WDEQ

Timeframe: FY16-18

Cost: In kind

Strategy 5.2.0- *Work outside of a Stakeholder group to promote nutrient BMP's in the Fish Creek Drainage*

Task 5.2.1- Work with Teton County to develop LDR's that incorporate BMP's in the Fish Creek Drainage (underground injection, septic systems, fertilizers, lawn/water setbacks, livestock)

Who: WRS, TCD supervisors, Teton County, Friends of Fish Creek

Timeframe: Continuous

Cost: In kind, and project dependent

Task 5.2.3- Increase public awareness through workshops and education regarding nutrient BMP's (underground injection, septic systems, fertilizers, lawn/water setbacks, livestock)

Who: WRS, TCD supervisors, Friends of Fish Creek

Timeframe: FY 2016-21

Cost: \$10,000 annually, with cost share with FOFC and 205(j)

Task 5.2.4- Develop and ground truth septic system GIS layer for use in prioritization of sewer hookups and advanced treatment septic system support

Who: WRS, Dave Adams, Friends of Fish Creek, Teton County, Westbank Sewer and Water Districts, contractor, technician

Timeframe: FY16-21

Cost: \$10,000

Task 5.2.5- Provide grant assistance for sewer hook-ups and advanced treatment according to proximity to surface waters in the Fish Creek Drainage

Who: WRS, Dave Adams, Friends of Fish Creek, Teton County, Sewer and Water Districts

Timeframe: FY16-21

Cost: \$30,000 annually

Goal 6.0: Research and monitor aquatic resources in the Fish Creek Drainage

Strategy 6.1.0- Initiate, promote and maintain nutrient research in the Fish Creek Drainage

Task 6.1.1- Co-fund a USGS, Friends of Fish Creek nutrient budget study in the Fish Creek Drainage

Who: WRS, Dave Adams, Friends of Fish Creek, USGS

Timeframe: FY15-16

Cost: \$78,000 total cost, not-equally split between TCD, FOFC, USGS, WDEQ 205(j)

Task 6.1.2- Fund and provide technical assistance for bi-annual, seasonal nutrient and stream health assessments in Fish Creek, following USGS direction

Who: WRS, Dave Adams, Friends of Fish Creek, WDEQ, USGS

Timeframe: FY16 -21

Cost: \$30,000 split between TCD, FOFC, WDEQ 205(j)

Task 6.1.3- Provide third party monitoring for Teton Village Water and Sewer District nutrient (and chemical?) sampling, for potential surface water influence

Who: WRS, Dave Adams, Friends of Fish Creek, TVWSD, WDEQ

Timeframe: FY16-17

Cost: \$38,000 total cost, split between TCD, WDEQ 205(j), and TVWSD

Task 6.1.4- Establish and support a fisheries study to directly test aquatic plant growth and bug changes on native vs. non-native trout (microhabitat assessment)

Who: WRS, Friends of Fish Creek, USGS, WGFD

Timeframe: FY16-18

Cost: \$200,000 total cost, between TCD, FOFC, USGS, WGFD, TU

Task 6.1.5- Encourage WGFD to increase annual monitoring of fish populations

Who: WRS, Dave Adams, Friends of Fish Creek, USGS

Timeframe: FY15-16

Cost: In-kind

Task 6.1.6- Explore additional nutrient research possibilities (pond/water feature effects, hydrologic flow model, source sink analysis, imagery flights for aquatic plant quantification, etc.)

Who: WRS, Dave Adams, Friends of Fish Creek, USGS, stakeholders

Timeframe: 2015-21

Cost: Project dependent

Task 6.1.7- Support WDEQ nutrient criteria development, and provide our process to WDEQ as an outline for public/private partnership efforts to address nutrient issues statewide

Who: WRS, Dave Adams, Friends of Fish Creek

Timeframe: FY16-21

Cost: In kind

Strategy 6.2.0- Develop long-term goals for the groundwater monitoring well network

Task 6.2.1- Assess potential uses of the groundwater monitoring well network, and plan future maintenance based upon concrete goals

Who: WRS, Dave Adams, Tom Campbell

Timeframe: FY15

Cost: In kind

Task 6.2.2- Implement groundwater monitoring based upon set goals, with landowner permission fully accounted for

Who: WRS, Dave Adams, Tom Campbell

Timeframe: FY15-as needed

Cost: \$30,000 annual cost

Task 6.2.3- Design a database to store groundwater level information so that it can be effectively accessed and updated

Who: WRS, Dave Adams

Timeframe: FY15-16

Cost: \$5,000 of total database establishment costs

Goal 7.0: Support stream habitat enhancement projects in Teton County, Teton National Park and Yellowstone National Park in accordance with TCD mission and an established criteria for support.

Strategy 7.1.0- Provide technical assistance, project funding, and project partnerships on regional stream habitat enhancement efforts

Task 7.1.1- Be a project partner on Edmiston Spring with WGFD and FOFC

Who: WRS, Dave Adams, Friends of Fish Creek, WGFD

Timeframe: FY15-16

Cost: \$10,000 cost to TCD, with additional funding being requested

Task 7.1.2- Be a project partner on Teton Science Schools Cody/Spring Creek enhancement efforts (irrigation improvements, off-channel stock watering, fish screens, riparian enhancement and protection, channel augmentation)

Who: WRS, Teton Science Schools, Indian Springs Sub-division

Timeframe: FY15-18

Cost: \$20,000 cost to TCD, with substantial additional funding available

Task 7.1.3- Revise and (?)instate criteria for TCD involvement on aquatic habitat enhancement projects

Who: WRS, Teton Science Schools, Indian Springs Sub-division

Timeframe: FY16

Cost: In kind

Task 7.1.4- Collaboratively develop sub-watershed criteria for enhancement tactics as is needed for particular waterbodies

Who: WRS, WGFD, stakeholders

Timeframe: FY16

Cost: In kind

Task 7.1.5- Develop a district-wide program that supports fish passage projects such as fish screens and dam removal in areas where these needs are identified

Who: WRS, WGFD, TU

Timeframe: FY 2016-21

Cost: \$10,000 annually, or project specific costs

Strategy 7.2.0- Work with Army Corps of Engineer efforts to protect private property, while encouraging habitat enhancement efforts to mitigate levee effects

Task 7.2.1- Generate and uphold agreements between TCD, ACOE, Teton County and landowners for natural resource mitigation efforts

Who: ED, WRS, ACOE, Teton County, Road and Levee, landowners

Timeframe: 2015-21

Cost: Project dependent costs (annual contributions?)

Task 7.2.2- Design, support and implement projects to mitigate flood risks, support fluvial processes, encourage the establishment of vegetated islands and cottonwood regeneration, improve ecological services degraded by levees construction

Who: ED, WRS, ACOE, Teton County, Road and Levee, landowners

Timeframe: FY 2016-21

Cost: Project dependent costs (annual contributions?)

Strategy 7.3.0- Support stakeholder driven programs for water resource conservation and improvement throughout the region, if they fit within the TCD mission

Task 7.3.1- Work with special districts of governments, as well as non-governmental organizations to support community lead water resources programs

Who: Randy, Carlin, ACOE

Timeframe: FY 16-21

Cost: Project dependent costs

Goal 8.0: Increase data functionality and quality control throughout water resource programs

Strategy 8.1.0- Complete and authorize Sample and Analysis Plans (SAP) for all TCD collected data

Task 8.1.1- Complete and receive WDEQ authorization for Flat Creek, Fish Creek, groundwater monitoring, Teton County Weed and Pest sampling

Who: WRS

Timeframe: FY15

Cost: In kind

Task 8.1.2- Contract a local consultant to develop a SAP for Fish Creek nutrient monitoring as it pertains to 205(j) sampling

Who: WRS

Timeframe: FY15

Cost: \$3-5,000

Strategy 8.2.0- Develop a database that houses all Water Resource data

Task 8.2.1- Work with Dave Adams to support ongoing development of the attributed GIS water layer

Who: WRS, Robb Sgroi, Dave Adams

Timeframe: FY15-16

Cost: In kind

Task 8.2.2- Hire WYGISC to develop a Sequel Server Database that is spatially aware on the TCD server

Who: WRS

Timeframe: FY15-16

Cost: \$15,000?

Task 8.2.3- Hire a summer technician to complete data entry and assist with TCD fieldwork and data collection

Who: WRS, technician

Timeframe: FY15-16

Cost: \$14,500 (\$18/hr for 5 months)

Task 8.2.4- Work with Dan Leemon to make sure all data collected during his employment is present on TCD computers

Who: WRS, Dan Leemon

Timeframe: FY15-16

Cost: In kind

Goal 9.0: Collaborate with not-for-profits, state and federal agencies to support water resource conservation and improvement efforts

Strategy 9.1.0- Provide agency specific support and collaborative efforts

Task 9.1.1- Cost share with USGS for stream gauge operation, snow chemistry analysis and additional specific research objectives

Who: WRS, ED, AM

Timeframe: FY15- 21

Cost: \$40,000 annually, plus additional project specific funding

Task 9.1.2- Collaborate with WGFD on development reviews, aquatic habitat enhancement efforts, sampling assistance, fish passage issues, water quality monitoring following rotenone projects, sampling overlap with TCD, impaired waters monitoring, and sub-watershed habitat enhancement criteria

Who: WRS, technician

Timeframe: FY 2016-21

Cost: In kind, project dependent

Task 9.1.3- Collaborate with USFS on water resources projects in Forest Lands, including participation on Wild and Scenic issues, and data collection

Who: WRS, technician

Timeframe: FY 2016-21

Cost: In kind, project dependent

Task 9.1.4- Collaborate with the National Park Service on water resource projects on Park Service Lands, including technical assistance

Who: WRS, technician

Timeframe: FY 2016-21

Cost: In kind, project dependent

Task 9.1.5- Collaborate with the WDEQ, WACD, WCDEA and the University of Wyoming for trainings and 303(d) stream assessments, especially during data collection and while providing TCD data

Who: WRS, technician, WDEQ, WACD, WCDEA, University of Wyoming

Timeframe: FY 2016-21

Cost: In kind, \$15,000 annually

Task 9.1.6- Assist with study design, data collection and data consolidation during the WWDO Level 1 Watershed Study in the Upper Snake River Drainage

Who: WRS, technician

Timeframe: FY15-17

Cost: In kind, project dependent

Task 9.1.7- Collaborate with Friends of Fish Creek on issues in the Fish Creek Drainage, per the guidance within the MOA

Who: WRS, ED, Dave Adams, WDEQ

Timeframe: 2015-21

Cost: In kind, project dependent, Friends of Fish Creek are a funding partner, as well as WDEQ 205(j) funds

Task 9.1.8- Collaborate with Friends of the Teton River on issues on Teton River tributaries found In Teton County, WY

Who: WRS, ED, Dave Adams, WDEQ

Timeframe: 2015-21

Cost: In kind, project dependent, Friends of Fish Creek are a funding partner, as well as WDEQ 205(j) funds

Task 9.1.9- Collaborate with Friends NRCS on water resource projects including, agricultural issues, and SNOTEL and Snow course data collection

Who: WRS, ED, Robb Sgroi

Timeframe: 2015-21

Cost: Inquire with Robb/Emily about annual Exp., and in kind

Goal 10.0: Continue job/skills development through training and conference attendance, and publishing completed research

Strategy 10.1.0- *Attend required and beneficial trainings with ED approval.*

Task 10.1.1- Attend water quality trainings in accordance with WDEQ QA/QC requirements

Who: WRS, technician, TCD staff
Timeframe: FY 15-16 and as needed
Cost: \$1,200 annually, in kind

Task 10.1.2- Attend WACD Conservation District Supervisors and Employee Certification trainings

Who: WRS
Timeframe: FY 16
Cost: \$500, in kind

Task 10.1.3- Consider additional trainings to support Water Resources Program implementation (water quality, aquatic habitat, fisheries, data management and analysis)

Who: WRS
Timeframe: Continuous
Cost: \$500, in kind

Strategy 10.2.0- Attend professional conferences and present/publish TCD water resources research with ED approval.

Task 10.2.1- Attend water quality, aquatic habitat, and aquatic resources conferences

Who: WRS
Timeframe: 2015-21
Cost: \$500, in kind

Task 10.2.2- Publish and present research conducted under the water resources program in professional venues

Who: WRS
Timeframe: FY 2016-21
Cost: TBD

Program Area: Wildlife

GOAL 1.0: SUPPORT THE STATED WILDLIFE VALUES OF THE TETON COUNTY COMPREHENSIVE PLAN:

- Maintain healthy populations of native species
- Protect focal species habitat base on relative critical value
- Protect wildlife from the impacts of development
- Design for wildlife permeability
- Limit human/wildlife conflicts
- Understand the impacts of development on wildlife and natural resources

Strategy 1.1.0 – Facilitate promotion and conservation of the Teton Conservation District’s (TCD) wildlife resources.

Task 1.1.1 - Support public agencies and non-governmental organizations engaged in reduction/mitigation of human/wildlife conflicts (BearWise, domestic dog – wildlife conflicts, management of wildlife attractants, carcass disposal, etc.).

Who: Appropriate staff and Board of Supervisors

Timeframe: Ongoing

Cost: In kind

Task 1.1.2 - Advocate for a County Biologist within the Teton County Planning and Development Department.

Who: Board of Supervisors and staff

Timeframe: Ongoing

Cost: In-kind for TCD, staff position for TC Planning Dept.

Task 1.1.3 -Work with Teton County Planning and Development to review platting applications and Infrastructure Development Plans for impacts to wildlife and wildlife habitat.

Who: Board of Supervisors and staff

Timeframe: Ongoing

Cost: In-kind for TCD, staff position for TC Planning Dept.

Task 1.1.4 - Attain Cooperative Agency Status for Land Management Planning through creation of a Local Land Use Plan.

Who: Board of Supervisors and staff

Timeframe: Ongoing

Cost: In-kind for TCD, staff position for TC Planning Dept.

Task 1.1.5 - Develop wildlife habitat mitigation guidelines (fencing, connectivity, noxious weed prevention/treatment, seasonal closures, etc.) to submit for incorporation into revised Teton County Land Development Regulations (LDRs).

Who: Qualified Board and staff with Board approval

Timeframe: 2016

Cost: In kind

Task 1.1.6 – Implement District projects that advance the Wyoming Game and Fish Department’s State Wildlife Action Plan (SWAP).

Who: Qualified Board and staff with Board approval

Timeframe: Ongoing

Cost: In kind

Strategy 1.2.0 – Fund and facilitate education and networking of public agencies, non-governmental organizations, and the public regarding wildlife issues within TCD.

Task 1.2.1 - Incorporate and manage Safe Wildlife Crossings Collaborative (SWCC) records into TCD files.

Who: AM, program staff, Sandy Shuptrine (facilitate transfer of records)

Timeframe: Spring 2016

Cost: In kind

Task 1.2.2 – Notify SWCC participants of accomplishments to date, decision to dissolve, and opportunities to contribute to wildlife roadway crossings in the future.

Who: Sandy Shuptrine and staff

Timeframe: Winter 2015

Cost: In kind

Task 1.2.3 – Maintain regular communication with the professional wildlife community via participation in informal meetings, conferences, workshops, public forums, and site visits.

Who: GIS Wildlife Specialist (GISWS) and appropriate staff

Timeframe: Ongoing

Cost: In kind

Task 1.2.4 – Sponsor public talks by professional wildlife speakers.

Who: Executive Director (ED), appropriate staff and Board

Timeframe: Ongoing

Cost: \$5,000/yr.

Strategy 1.3.0 - Define TCD's role with the Natural Resources Technical Advisory Board (NRTAB) (tasks, costs, expectations).

Task 1.3.1 – Revise TCD responsibilities in NRTAB Memorandum of Agreement between Town of Jackson, Teton County, and TCD.

Who: ED with Board direction

Timeframe: Spring 2016

Cost: TBD

Task 1.3.2 – Develop guidelines to dictate when TCD staff are able to offer in kind assistance to NRTAB vs. establishment of a fee-for-service contract.

Who: ED with Board direction

Timeframe: 2016

Cost: TBD

Task 1.3.3 – Secure funding from Teton County in order to assist Wyoming Game and Fish Department personnel in their revision of Focal Habitat Features. Provide delivery and interpretation services to NRTAB.

Who: GISWS, supervisors or contractors

Timeframe: Spring 2016

Cost: In kind and/or TBD

Strategy 1.4.0 - Mitigate human impacts on wildlife habitat.

Task 1.4.1 – Identify opportunities to execute objectives, strategies, and actions of Wyoming Game and Fish Department's Strategic Habitat Plan (2015).

Who: GISWS

Timeframe: Ongoing

Cost: In-kind, as project funding is required.

Task 1.4.2 – Provide technical and financial support for wildlife habitat protection and restoration projects on private lands. Reference Wyoming Game and Fish Department Strategic Habitat Plan (2015) for guidance.

Who: ED and appropriate staff with board approval

Timeframe: Ongoing

Cost: In-kind and/or TBD

Task-1.4.3 – Collaborate with Teton County Planning and Development, land management agencies, non-governmental agencies, and the public to create a database of wildlife habitat mitigation/restoration opportunities.

Who: GISWS and appropriate staff with board approval

Timeframe: Ongoing

Cost: In-kind and/or TBD

Task-1.4.4 – Support projects that prevent or reduce agriculture - wildlife conflict.

Who: ED and appropriate staff with board approval

Timeframe: Ongoing

Cost: In-kind and/or TBD

Task-1.4.5 – Support noxious weed treatment and prevention with a focus on areas with highest relative habitat value.

Who: Appropriate staff with board approval

Timeframe: Ongoing

Cost: In-kind and/or TBD

Task-1.4.6 – Support efforts to mitigate impacts of transportation on habitat connectivity/fragmentation.

Who: Appropriate staff with board approval

Timeframe: Ongoing

Cost: In-kind and/or TBD

GOAL 2.0: SUPPORT MONITORING AND RESEARCH OF WILDLIFE POPULATIONS IN TETON COUNTY, WY

- Fund wildlife research
- Conduct wildlife surveys
- Promote citizen science
- Monitor sensitive species

Strategy 2.1.0 - Provide technical and financial support to wildlife agencies and researchers.

Task 2.1.1 - Consider funding requests from qualified agencies and organizations for wildlife monitoring and research projects.

Who: GISWS, appropriate staff, and Board

Timeline: 2015-2020

Cost: In-kind, \$50,000/ year

Task 2.1.2 – Support existing wildlife research through allocation of staff time towards field data collection, data development/management/analysis, map creation, and decision support.

Who: TCD Staff and Board

Timeline: 2015-2020

Cost: In-kind

Task 2.1.3 – Identify opportunities to engage the public and advance citizen science monitoring efforts. Participation in projects including but not limited to Nature Mapping Jackson Hole, Nestwatch, Rocky Mountain Amphibian Project, Integrated Monitoring in Bird Conservation Regions, Christmas Bird Count, etc..

Who: GISWS, appropriate staff, and Board

Timeline: 2015-2020

Cost: In-kind

Task 2.1.4 – Financial support for wildlife disease detection and monitoring efforts (Chronic Wasting Disease, Brucellosis, etc..)

Who: GISWS, appropriate staff, and Board

Timeline: 2015-2020

Cost: In-kind

Strategy 2.2.0 – Support monitoring, research, and management of sensitive species.

Task 2.2.1 – Provide funding and staff time towards inventory of Species identified by Wyoming Game and Fish Department as Species of Greatest Conservation Need (SGCN).

Who: GISWS, appropriate staff, and Board

Timeline: Ongoing

Cost: In-kind

Task 2.2.2 – Participate as a member of the Sage-grouse Upper Snake River Basin Local Working Group (attend meetings, survey leks, fund research/restoration, etc.).

Who: GISWS and appropriate staff

Timeline: Ongoing

Cost: ?

Task 2.2.3 – Expand Bird Conservancy of the Rockies Integrated Monitoring in Bird Conservation Region (IMBCR) sites by conducting annual point counts in previously unsurveyed areas.

Who: GISWS

Timeline: Ongoing

Cost: ?

Task 2.2.4 – Provide local support for Wyoming Natural Diversity Database statewide inventories by surveying undocumented areas within the district (amphibians, reptiles, bats, invertebrates, etc.).

Who: GISWS

Timeline: Ongoing

Cost: ?

Task 2.2.5 – Support sensitive species inventory and survey efforts conducted by federal land management agencies (National Park Service, United States Forest Service, Bureau of Land Management, United States Fish and Wildlife Service, United States Geological Survey).

Who: GISWS

Timeline: 2015 – 2020

Cost: ?

Goal 3.0: Education and Outreach

- Remain abreast of most current scientific literature
- Maintain a positive public presence
- Deliver pertinent wildlife information to residents of TCD
- Provide public comment on projects impacting wildlife habitat

Strategy 3.1.0 - Expand TCD's reputation as a source of local wildlife expertise.

Task 3.1.1 – Secure access to pertinent wildlife journals in order to establish a digital wildlife library for staff.

Who: GISWS

Timeframe: Winter 2016

Cost: \$200 annually

Task 3.1.2 – Attend public talks, workshops, and conferences. Aim to increase visibility of TCD by hosting/presenting/providing public comment.

Who: GISWS

Timeframe: Recurring

Cost: In kind

Task 3.1.3 – Participate in wildlife related selection/oversight/steering committees convened by Teton County Commissioners/ Planning and Development staff.

Who: GISWS

Timeframe: Recurring

Cost: In kind

Task 3.1.4 – Provide timely and insightful wildlife opinion to Teton County Planning and Development staff in review of Development applications.

Who: GISWS, ED, and appropriate staff

Timeframe: Recurring

Cost: In kind

Task 3.1.5 – Engage local youth through wildlife career talks, citizen science volunteer opportunities, and targeted public events.

Who: GISWS, ED, and appropriate staff

Timeframe: Recurring

Cost: In kind

Task 3.1.6 – Fund wildlife related projects with a focus towards engaging underserved and at-risk audiences.

Who: GISWS, ED, and appropriate staff

Timeframe: Recurring

Cost: In kind