

**AGENDA
CITY OF GRAND JUNCTION, CITY COUNCIL
MESA COUNTY, BOARD OF COUNTY COMMISSIONERS
JOINT WORKSHOP SESSION
CITY HALL AUDITORIUM
250 N. 5th STREET
GRAND JUNCTION, COLORADO
THURSDAY, JANUARY 16, 2014, 2:00 P.M.**

1. **Orchard Mesa Pool**
2. **City/County Partnerships:** The City and the County have entered into a number of partnerships, both formal and informal, over the years. A list of those partnerships is being provided for review and discussion. [Attachment](#)
 - **521 Drainage Authority**
 - **Riverfront Commission**
3. **Airport Update**
4. **Persigo Projects** [Attachment](#)
 - **Interruptible Service Option Credit (ISOC) Project**

Xcel Energy offers its large electrical consuming customers an incentive to participate in their Interruptible Service Option Credit (ISOC) program.
 - **Wastewater Biogas Used as Vehicle Fuel**

Installation of specific equipment with an estimated cost of \$1,750,000 will allow gas produced at the Persigo Wastewater Treatment Facility to be used as vehicle fuel.
5. **Other Business**



**STAFF REPORT
JOINT WORKSHOP SESSION**

Attachment

Date: December 27, 2013

Author: Stephanie Tuin

Title/ Phone Ext: City Clerk,
X1511

Proposed Meeting Date:

January 6, 2013

Topic: Discussion and Review of Partnerships Between the City and the County

Staff (Name & Title): Rich Englehart, City Manager

Summary:

The City and the County have entered into a number of partnerships, both formal and informal, over the years. A list of those partnerships is being provided for review and discussion.

Background, Analysis and Options:

The City of Grand Junction and Mesa County cooperate in many ways for the betterment of the community. Some examples of that cooperation include the creation and support of a variety of jointly appointed boards, a number of services from animal control to the drainage authority to parks programming to purchasing, maintenance of facilities, communications and computer systems, a number of shared facilities (the employee parking garage is one example), to planning (like the Persigo Agreement), health (environmental), sewer service, and public safety and emergency services (probably the largest category). Most of the cooperative agreements are in formal written agreements, a few are authorized or mandated by State law, and there are a few that are verbal only.

The list of all the agreements is attached to this staff report and the specific agreements can be accessed by clicking on the link in the City link column.

Board or Committee Recommendation:

There are no other boards reviewing this item.

Financial Impact/Budget:

There is no financial impact at this time. The information provided is for discussion only.

Legal issues:

None at this time.

Other issues:

None at this time.

Previously presented or discussed:

Although both entities have reviewed this list, this has not been discussed in a joint meeting.

Attachments:

List of formal and informal agreements.

City of Grand Junction/Mesa County Partnerships
Formal

| | A | B | C | D | E | F | G | H | I | J |
|---|---------------------|--|--|-------------------|---|---|---|--------------------|-----------------------------|------------------------|
| 1 | Entity Providing | City/County Department | Agreement | Date of Agreement | Reason/ History/ Notes | Purpose | Other Partners | Recommended Action | City Link | County File # |
| 2 | JOINT BOARDS | | | | | | | | | |
| 3 | City/County | Police/Sheriff | Joint Board - 21st Judicial District Leadership Committee now called Criminal Justice Leadership | 2009 | took on the duties of the Offender Management Group - Evidence Based Decision Making - City has limited involvement but membership should be maintained | To ensure that Mesa County has the best criminal justice system possible, to respond to issues of concern and act as a forum | DA, DOC, DYC, Public Defender/ Criminal Defense Bar, City of Fruita, Town of Palisade | | | |
| 4 | City/County | Public Works & Utilities (PW&U)/Public Works | Joint Board 5-2-1 Drainage Authority | 2004 | Creation - Agreements for permits and management listed separately | Address drainage issues regionally-stormwater management | Town of Palisade, City of Fruita, Grand Junction Drainage District | | CCON/913 | MCM2008-19 |
| 5 | County | PW&U/ Building Dept. | Joint Board - Building Code Board of Appeals, Appointed by the County/ Ratified by the City. | | Created in International Building Code | exceptions to the building code, suggests amend-ments to the bldg code; adopts rules and regs based on the provisions of the bldg code; hears appeals from parties affected by the granting or refusal of a bldg permit | | | | |
| 6 | City/County | | Joint Board - Grand Junction Regional Airport Authority - City/County each appoint 3 members | 1971 | The City is a co-sponsor along with Mesa County on many FAA grant applications for capital improvements at the airport | Airport Authority oversees the operation of the airport and applies for grants to fund capital improvements | City & County each have 3 board members serving | | | |
| 7 | City/County | | Joint Board - Riverview Technology Corporation | 1997 | Began as the Joint Utilization Commission | ownership of property at 2591 B 3/4 Rd (DOE Property) and Economic Development | | | RESDOC/1081 | MCM99-153 MCM97-214 |
| 8 | City/County | PW&U/ Planning | Joint Board - PDR Committee | 2000 | Creation - Cooperative planning areas and creation of committee - Help fund contractor and matching funds for PDR - data and tech support | Land Use - Purchase of Development Rights (PDR) Buffer Zones •IGA creating PDR Committee and establishing buffers | Town of Palisade, City of Fruita, Mesa Land Trust | | CCON/1589 | MCM2000-39 |

City of Grand Junction/Mesa County Partnerships
Formal

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| 1 | Entity Providing | City/County Department | Agreement | Date of Agreement | Reason/ History/ Notes | Purpose | Other Partners | Recommended Action | City Link | County File # |
| 9 | City/County | Parks/Facilities & Parks | Joint Board - Riverfront Commission | 1987 | Created by Joint resolution in the minutes of July 1987, funding agreement by Resolution No. 31-97 (RESDOC/989) \$17,122 by the City and the County each | | Town of Palisade, City of Fruita | | CCMIN/2618 | MCA-2011-009 |
| 10 | City/County | Fire/ Emergency Management | Joint Board - Emergency Management - Emergency Medical Services Advisory Council | | Mesa County EMS Resolution | Participate, coordinate, facilitate EMS Council | | | REF/10 | MCM 2004-220-2 |
| 11 | City/County | Parks & Rec. | Joint Board - Parks Improvement Advisory Board (PIAB) | | Cost share \$14,000 each - City, County, District 51, CMU, & Grand Junction Baseball Inc. - Articles of Incorporation Amended in 2011 (POLPROEV/62) | Improvements to parks and sports facilities | School District #51, CMU, Grand Junction Baseball Inc. | | | |
| 12 | County | PW&U/ Regional Transportation Office | Joint Board - Grand Valley Regional Transportation Committee (GVRTC) | 2002 | Creation | •Transportation Planning •Capital improvements •Regional Planning (MPO) | Town of Palisade, City of Fruita | | CCON/1398 | MCA2002-157 |
| 13 | City/County | | Joint Board - Grand Junction Economic Partnership | | | Economic Development | | | | Agreement 11/25/2010 |
| 14 | SERVICES | | | | | | | | | |
| 15 | City | PW&U | 5-2-1 -Drainage Authority - City to provide services starting 2010 - \$200,000/year | 2009 | Address drainage issues regionally-stormwater management | 5-2-1 Authorization to handle permitting | Town of Palisade, City of Fruita, Grand Junction Drainage District | | CCON/915 CCON/1110 | MCM2008-24 |
| 16 | | | | | | | | | | |
| 17 | City | Purchasing | Purchasing Cooperation | 2012 | City Purchasing provides procurement expertise to Mesa County for \$75,000/year | | | | CCON/3019 | MCA2012-034 |

City of Grand Junction/Mesa County Partnerships
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| 1 | Entity Providing | City/County Department | Agreement | Date of Agreement | Reason/ History/ Notes | Purpose | Other Partners | Recommended Action | City Link | County File # |
| 18 | City | Parks & Rec/Facilities & Parks | Long Family Memorial Park Scheduling | 2009, amended to 12/2012, new five year agreement in 2014 - \$28,613/year | •City manages rentals/uses for Rec Program •County pays City to manage rentals \$28,613 | Scheduling and programming for Long Family Memorial Park | | | CCON/3057 | MCA-2009-019 |
| 19 | County | Police/Sheriff | Public Safety - Jail | per State Statutes | County operates - 2,544 jail bed days on municipal sentences in 2012 | | | | no written agreement | |
| 20 | County | Clerk & Recorder's Elections Division | Municipal Elections | 2013 | Conduct Elections Regular election in odd years - cost in 2013 \$44,000 | Bi-annual and as needed for special elections | | | CCON/2588 | |
| 21 | County | Clerk & Recorder | Escrow Accounts with Clerk & Recorder | 2009 | Sets up escrow account and allows access to records of transactions | | | | CCON/1578 | |
| 22 | County | City Attorney & Muni Court/ Sheriff | Public Safety - Video arraignment | 2004 | With Mesa County Sheriff | | | | CCON/1592 | |
| 23 | County | County Animal Services - MCAS Advisory Board - City appoints one & County appoints three | Animal Services - County provides services - City provides municipal court services for animal control violations w/in City limits | Renewed annually | Animal control and sheltering services in Mesa County - City pays costs based on % of calls in city limits - (contract cost= \$344,220) City passes on all animal court fines collected-no administrative fee for court services is charged. (pass thru fines = \$43,000 annually) | Provide animal control services in City limits and provides spay/neuter vouchers to residents of City from grant dollars and joint veterinary partnership for donated service | County provides services for other municipalities also | | CCON/2559 | MCA 2012-174 |
| 24 | County | Public Works | Landfill | trash service - City is a customer of the landfill, biosolids discount approved by Resolution | •City uses Landfill for disposal of biosolids from Persigo •City trash service and household hazardous waste use Landfill for disposal | •County provides proper disposal of biosolids per state requirements •County provides a very cost effective solid waste program at the Landfill | | | CCON/2427 | MCM2007-151 (a) |
| 25 | City | Parks & Rec./Facilities | Art Program Assistance | 2013 | Arts and Culture Commission assists with rotating artwork at Old County Courthouse | | | | CCON/2813 | |

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| 1 | Entity Providing | City/County Department | Agreement | Date of Agreement | Reason/ History/ Notes | Purpose | Other Partners | Recommended Action | City Link | County File # |
| 26 | County | Clerk & Recorder's Motor Vehicle Division | Sales Tax Collection on Motor Vehicles | 1988 | Vendor's Fee of 3.333% of tax collected is retained if paid by the 10th of the month following collection. (vendors fee apx \$53,000 annually) | | | | CCON/1660 | MCA88-43 |
| 27 | City | Finance Department | Sales Tax Information Disclosure | 2008 | Agreement to disclose confidential information in order to verify Mesa County's sales tax information | Maintain confidentiality on disclosed sales tax information | | | CCON/2327 | |
| 28 | County | Treasurer | Per State Statutes | | County keeps 2% administration fee from revenues collected (apx \$220,000) | City property tax billing and collection | County provides for other taxing jurisdictions | | no written agreement | |
| 29 | City | Police- 911 Communication Center/ Sheriff | Public Safety - 911 Communication Center Operations | 1997 | IGA on mission and responsibilities of GJRCC - City operates. | dispatch services for public safety agencies - each agency pays its proportionate share based on use | Palisade, Fruita, Lower Valley FD, East Orchard Mesa FD, Central Orchard Mesa FD, Clifton FD | | CCON/1464 | |
| 30 | City | Fleet/GVT | MOU for Grand Valley Bus Repair and Maintenance Services - \$49 per hour for services rendered | 2013 | City to service GVT buses that run on CNG and cutaway buses | Maintenance and repair on GVT buses | | | CCON/2573 | |
| 31 | County | PW&U/ County Building | Building Inspection Services | Renewed every two years | Perform building inspection on behalf of the City - Issues building permits and licenses contractors for the City - County retains all bldg permit/ licensing fees. | Provide Building Inspection Services for Mesa County | County provides services for other municipalities also | | CCON/2479 | MCM 2012-108 |
| 32 | MAINTENANCE | | | | | | | | | |
| 33 | County | Parks & Rec/Facilities & Parks | Colorado River Boat Ramp Operation & Maintenance | 1977 | County to Maintain | | | | CCON/1656 | |

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| 34 | City/County | Parks & Rec/Facilities & Parks | Parks - Indian Wash Maintenance | 1965 | Const/Operation/ Cost share | Vegetation control North Avenue to I-70 B | U.S. Soil Conservation Service, Upper Grand Valley Soil Conservation District | | CCON/2397 | |
| 35 | City/County | Parks & Rec/Facilities & Parks | Riverfront Trail from Loma to Palisade | 2011 | historically, Mesa County or the municipality within whose boundaries a portion of the trail system has been located, has informally accepted responsibility for operation, maintenance, law enforcement and liability for portions of the trail system within their geographic boundaries | to clarify the responsibilities of the jurisdictions on the trail sections being constructed | | | CCON/3 | |
| 36 | City | PW&U | Buthorn Waste and Drainage Ditch Maintenance | 1950 | | | Grand Junction Drainage District | | CCON/1336 | |
| 37 | COMPUTER SYSTEMS/COMMUNICATIONS | | | | | | | | | |
| 38 | City | Police & IT/Sheriff | New World Aegis (CAD/RMS/ JMS) Integrated System | 2010 | Computer aided dispatch, record management systems, and Jail Management System, Project Charter (MOU at County awaiting approval) | To share Public Safety Information County Wide using a single integrated system - the city hosts the system. IT staff from City and County support it. Costs are shared by City, County and other Public Safety agencies | 21 Public Safety Agencies in Mesa County | | CCON/2475 | |
| 39 | City | Police & IT/Sheriff | COPLink | 2008 | Established as part of the State Colorado Information Sharing Consortium (CISC) | To make Law Enforcement Information Available across the state - City Hosts the Western Slope Node - Shared Costs by City, County and Western Slope Agencies | Part of State Wide Consortium for Law Enforcement Information Sharing - Currently 90 agencies participating | | CCON/2118 | |

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| 40 | City/County | Fire/Emergency Management | High Plains | 2005 | Shared Fire/ EMS Records - City hosts City server, all others are on the County server | Fire/EMS Incident Reporting | All 11 Fire Dsitricts | | | |
| 41 | County | IT/Emergency Management | Emergency Management - 900 MHz Antenna - 510 29 1/2 Road | 2008 | •City utilizes 900 MHz system •County hosts antenna site at the Human Services building | | | | CCON/1665 | MCA 2008-081 |
| 42 | SHARED FACILITIES | | | | | | | | | |
| 43 | County/City | Facilities | Public Safety Training IGA and created advisory board (Regional Public Safety Training Advisory Board) | Nov, 2012 | CMU owns property where the facility partners desire to construct a training facility for public safety and fire - creates an advisory board | construct several training facilities at Whitewater Hill - (currently there are two City modulars on the site) | Colorado Mesa University, 21st Judicial District Forfeiture Board | | CCON/2553 | |
| 44 | County/City | Facilities | Employee Parking Garage | 2004 | Operation and maintenance of employee parking garage | City Cost Share 40% | | | CCON/1651 | MCA 2004-133 |
| 45 | City | Parks & Rec/Facilities & Parks | Parks - Orchard Mesa Pool | 1983 | Cost share on pool operation and maintenance, School District pays utilities (electric) - see also CCON/1659 and CCON/1884 | | School District #51 | | CCON/1868 | MCA83-119 |
| 46 | County | Facilities | Western Colorado Dragway | 2011 | used by Fire Department to train for CDL driving | CDL driving training | | | CCON/2432 | |
| 47 | City/County | Parks & Rec/Facilities & Parks | Parks - Lower No Thoroughfare Trail | 2008 | Trail Improvement project, GOCO grant requires County have limited ownership interest, County funded construction, City maintains trail | | | | CCON/1668 | MCA2008-063 |

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| 48 | County | Regional Transportation Office | Transportation - GVT Transfer Station (Steamplant Property) | 2007 | Construction of a transfer station for Grand Valley Transit - City - property for transfer station, ongoing operations \$419,885, design and project management of pullouts, sidewalks & F 1/8 Rd, CNG bus maintenance & fueling, installation/ removal of bus stop signs | •County - initial investment - TANF funds •County - Ongoing operations \$909,754 •County - Grants for pullouts, sidewalks, and F 1/8 Road •County - Bus maintenance & fueling •County - Installation/ removal of bus stop signs | | | CCON/1119 | MCA2007-071 |
| 49 | City/County | Police/Sheriff | Public Safety - POST Academy | 2006 | Both the city and the county contribute to the academy, but the majority of the partnership is with the college - extensive training | Cooperative agreement for peace officers academy | CMU | | CCON/1664 | |
| 50 | LAND USE/PLANNING | | | | | | | | | |
| 51 | Land Use Housing Strategy moved to inactive list | | | | | | | | | |
| 52 | City/County | PW&U/ Planning | Persigo Wastewater Treatment Plant | 1998 | Growth policies with the 201 Sewer Services Area | Persigo Annexation Agreement: City - Ownership of distribution system (IGA) - County - Joint ownership of treatment plant | | | CCON/1678 | |
| 53 | County | Regional Transportation Office | Transportation - Metropolitan Planning Organization (MPO) Regional Transportation Office (RTPO) | 1998 | Mechanism for consulting on transportation planning from a regional perspective | | Town of Palisade, City of Fruita | | CCON/1620 | |
| 54 | HEALTH | | | | | | | | | |
| 55 | City/County | Health Department | MOA to Reduce PM10 in the Grand Valley | 2010 | | An agreement with the Air Pollution Control Division of State Health to reduce particulates in the air | Colorado Dept. of Health and Environment | | CCON/2474 | MCA 2010-005 |
| 56 | County | Health Department | Mosquito Control | | West Nile-briquettes | | | | CCON/1607 | MCM2004-061 MCA2005-068 |
| 57 | SEWER SERVICE | | | | | | | | | |
| 58 | City/County | PW&U (Persigo)/ Public Works | Persigo - Country Meadows in the 201 | 1995 | Provide sewer service to property outside the 201 boundary | | | | CCON/1988 | |

City of Grand Junction/Mesa County Partnerships
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| 59 | City/County | PW&U (Persigo)/ Public Works | Persigo - Independence Valley | 1998 | Provide sewer service to property outside the 201 boundary | | | | CCON/1482 | MCA98-58 |
| 60 | City/County | PW&U (Persigo)/ Public Works | Persigo - Orchard Mesa Sanitation District | 2004 | Total service agreement | Transfers operation and assets to the City as manager of Persigo | Orchard Mesa Sanitation District | to be dissolved in 2014 | CCON/1089 CCON/1724 | MCA2004-028 MCA2004-030 |
| 61 | | | | | | | | | | |
| 62 | City/County | PW&U (Persigo)/ Public Works | Persigo - Provide Sewer Service-Doug Jones | 1996 | Provide sewer service to property outside the 201 boundary and close to Orchard Mesa Sanitation District lines | Excluding from 201 | | | CCON/1568 | MCA96-33 |
| 63 | City/County | PW&U (Persigo)/ Public Works | Persigo - Rosevale Sewer Extension | 1996 | Sewer Service Agreement and DOLA loan | Sewer Service | Colorado Dept. of Local Affairs | | CCON/1055 | MCA96-34 |
| 64 | PUBLIC SAFETY/EMERGENCY SERVICES | | | | | | | | | |
| 65 | City/County | Police/Sheriff | Public Safety - Western Colorado Auto Theft Task Force | 2010 | | Combat Auto Theft | Colorado State Patrol, Fruita Police Department, Mesa County District Attorney's Office | | CCON/2429 | |
| 66 | City/County | Police/Sheriff | Public Safety - Western Colorado Joint Drug Task Force | 2008 | •City has 4 employees •County has 7 employees + \$350K grant from HIDTA (grant pays for two of SO employees, balance pays for OT, investigative funds for all members) - grant funds used for overtime | Reduce Drug Use | Drug Enforcement Agency (DEA) liaison | | CCON/2424 | |
| 67 | City/County | Police/Sheriff | Public Safety - Mesa County DUI Task Force | 2009 | agreement continuous annually under the terms of the agreement | multi agency effort to apprehend DUI offenders - each agency pays for costs for their own officers | Colorado State Patrol, City of Fruita, Town of Palisade, District Attorney of the 21st Judicial District | | CCON/2428 | |
| 68 | County | Police/Sheriff | Public Safety - Graffiti Abatement | 2011 | | uses work-ender program participants to abate graffiti | | | CCON/2426 | |

City of Grand Junction/Mesa County Partnerships
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| 69 | City/County | Police, Fire, & Comm Ctr/Sheriff, Health Dept. & Emergency Management | Public Safety - Incident Management | 1998 | \$5,000 paid by City | all agencies to participant in standardized incident command system during a large scale event | Lower Valley Fire Protection District, Colorado State Patrol, Clifton Fire Dept. Palisade Fire Dept. St. Mary's EMS Dept. | | CCON/2425 | |
| 70 | City | Fire/ Emergency Management | Emergency Management - DERA (HazMat) | 2013 | City provides county-wide HAZMAT response, County delegates DERA authority via annual contract in the amount of \$44,900, DERA for Hazardous Materials and Emergency Response. Previously the City also provided Superfund Amendments and Re-authorization Act (SARA) services for the County. Currently the MC Emerg Manager completes the SARA reporting requirements. | HazMat Response | | | CCON/2821 | MCA-2012-057 |
| 71 | City/County | PW&U/ Emergency Management | Emergency Management - Hazard mitigation | 2010 | City participates in hazard mitigation planning and carries out projects •County maintains FEMA approved Hazard Mitigation Plan | Joint hazard mitigation plan - hazardous materials and emergency response | City of Fruita, Town of Collbran, Town of Palisade, Lower Valley Fire Protection District, 5-2-1 Drainage Authority, Plateau Valley Fire Protection District, Grand Junction Rural Fire Protection District | | RESDOC/4533 | MCR2009-029 MCM2009-225 |

City of Grand Junction/Mesa County Partnerships
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| 72 | City/County | Fire/ Emergency Management | Emergency Management - Emergency Medical Services (EMS) | 2004 | EMS services in Ambulance Service Area some of which is in unincorporated Mesa County, per Resolution identifying Grand Junction Ambulance Service Area | License ambulances in Mesa County, coordinate QA/QI probationary EMT, manage electronic medical records | Palisade, Lower Valley, DeBeque, Plateau Valley, Central Orchard Mesa, Lands End, Gateway/ UnawEEP | | REF/10 | MCM 2004-220-2 |
| 73 | City/County | Joint Information Center Committee PIOs city and county wide | Memorandum of Understanding | 2007 | Agreement to cooperate when needed in emergency situations | Emergency public information provision | Hospitals, School District, BLM, DOW, Xcel | | CCON/2579 | |
| 74 | City/County | Police | Communication Center Agreement for Airport on Emergency Dispatch Services | 2010 | | | | | No agreement needed as they are a user agency as of 2010 | |

City of Grand Junction/Mesa County Partnerships
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| 75 | City/County | Police/Sheriff | 21st Judicial District Critical Incident Response Team Protocol | 2012 | to investigate incidents where a law enforcement officer uses deadly force and other special investigations or criminal incidents requiring unusual investigative resources. | | DA, Town of Palisade, City of Fruita, CSP, CBI | | CCON/2815 | |
| 76 | MISCELLANEOUS | | | | | | | | | |
| 77 | City/County | PW&U/GVT | Bus Benches & Shelters Advertising | 2004 | Assigns the advertising contract with Outdoor Promotions to Colorado West Outdoor Advertising, For locations within the City limits | | | | CCON/1121 | MCM2001-147 |

| Entity Providing | City/County Department | Agreement | Date of Agreement | Reason/ History/ Notes | Purpose | Other Partners | Recommended Action | City Link | County File # |
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| SERVICES | | | | | | | | | |
| City | Clerk & Recorder | Liquor License Training | 1998 | City trains applicants for County licenses | | | | | |
| County | Public Works | GPS System - surveying | | County capitalized and maintains the GPS system that allows digital surveying equipment to be used in the County. This system services all entities and private surveyors in the County. | | | | | |
| County | IT | Aerial Photos | | Coordinate aerial photos are done in order to gain efficiencies of one contract and one flight. | | | | | |
| City/County | Public Works | Specialty Equipment Sharing | | To ensure that each entity does not duplicate low-use specialty equipment like vacuum trucks, sewer cameras, jet rodding vehicles, etc. | | | | | |
| City | Public Works | Traffic Signal Technical Support | | | Since the bulk of county's urban traffic control devices are City of GJ controlled, the County uses their technical support to assist with the design and appropriate maintenance of traffic signals. | | | | |
| City | Public Works | Technical expertise sewer waste water conveyance | | County has utilized Grand Junction waste water expertise in developing wastewater PIDS and sewer capital projects | | | | | |
| | City/County | Public Works | | Emergency Management Support | When emergencies or disasters occur, assist with equipment or other materials. | | | | |
| City/County | Public Works | Coordination of Road & Bridge Maintenance Activities | | To ensure road & bridge maintenance activities at jurisdictional boundaries are coordinated for efficiencies. Driven by annexation processes. | | | | | |
| City/County | Public Works | Coordinate Annual Overlay | | Coordinate County overlay schedule with City of Grand Junction's utility maintenance and replacement schedules so as to minimize road cuts. | | | | | |
| City/County | Public Works | Coordinate Landfill rates | | Coordinate adjusted rates for biosolid receipts for Persigo Water Treatment Plan | | | | | |



Date: January 9, 2014
Author: Dan Tonello/Jay Valentine
Title/ Phone Ext: 4171/1517
Proposed Meeting Date:
January 16, 2014 City County
Meeting

STAFF REPORT JOINT WORKSHOP SESSION

Attachment

Topics: Xcel Energy's Interruptible Service Option Credit (ISOC)
Utilization of Biogas as Vehicle Fuel

Staff: Jay Valentine, Internal Services Manager
Dan Tonello, Wastewater Services Manager

Summary:

Interruptible Service Option Credit

Xcel Energy offers its large electrical consuming customers an incentive to participate in their Interruptible Service Option Credit (ISOC) program. An investment of \$735,572 will allow Persigo to purchase a generator and allow the City/County to participate in this program. In return the Persigo Facility will receive an annual credit of approximately \$105,000.

Wastewater Biogas used as Vehicle Fuel

Installation of specific equipment with an estimated cost of \$1,750,000 will allow gas produced at the Persigo Wastewater Treatment Facility to be used as vehicle fuel. Equipment needed includes gas conditioning and compression equipment to be located at the Persigo Treatment Facility and a dedicated pipeline from the Treatment Facility to the current Compressed Natural Gas Fueling Site. The current quantity of biogas being produced at Persigo is equivalent to 146,000 gallons of unleaded gasoline per year.

Background, Analysis and Options:

Interruptible Service Option Credit

During periods of peak demand, such as hot summer days, Xcel system customers may require more power than is normally available. As a means of reducing the demand, Xcel created the ISOC program. This program allows Xcel Energy to drop its larger energy consumers from the grid during these critical times. Interruptions are limited to a maximum of 160 hours per year.

Xcel customers throughout the State have made a considerable investment in this program. During 2011, 63 customers with 201 megawatts of generation capacity were participating. Their investment estimated at over one billion dollars provides security that the program will remain in place for some time. Xcel has budgeted \$28M in 2014 to pay the monthly ISOC credits. The ISOC program is a component of Xcel Energy's long

term Demand Side Management strategy to comply with House Bill 07-1037 that established cost-effective natural gas and electricity demand-side management programs that will save money for consumers and utilities and protect Colorado's environment. In order to take full advantage of the program and receive credits in 2014, the system needs to be operational prior to May 30, 2014.

Wastewater Biogas Used as Vehicle Fuel

Persigo currently produces methane gas as a by-product of its wastewater treatment operation. Currently a small portion of the gas is used for heating purposes and the remainder is "flared" or burned off. The quantity flared off on a daily basis has the equivalent BTU value of 400 gallons of gasoline.

The economics of taking "free" fuel and utilizing it as a vehicle fuel are obvious, not to mention the environmental benefits associated with using a clean fuel source. Early financial modeling shows the savings may be significant enough to pay back the initial infrastructure costs in as little as 10 years. This savings is over and above the savings the City is already experiencing in the CNG program. Users will still receive CNG fuel at a savings of over \$2.00 per gallon compared to the price of diesel fuel per gallon.

The greatest challenge this project presents is how to get the gas from Persigo to the CNG fueling site. Three different distribution methods have been identified. They include compressing the gas in high pressure vessels and trucking it to the current CNG fueling site; negotiating with Xcel Energy to utilize their gas distribution system in transporting the gas to the site; installing a dedicated pipeline from Persigo to the City Shops.

Trucking the gas was studied in detail by Johnson Controls as part of an Energy Efficiency Study conducted in 2009. It was determined that this option would not only be very expensive and labor intensive but would also negate the benefits of using CNG by burning diesel fuel to deliver it.

Negotiating with Xcel to utilize their distribution system has been studied by Xcel and City Staff over the past several years. This alternative proved to be more expensive than installing a dedicated pipeline and would require the City to perform extensive testing as an ongoing requirement of utilizing their system. In addition the City could be penalized for producing too much or too little gas.

It is Staff's opinion that the third option of installing a dedicated pipeline offers the best opportunity for transporting the gas from Persigo to the existing CNG filling site. This decision was made after thoroughly evaluating initial capital and ongoing costs associated with Xcel's requirements.

Financial Impact/Budget:

Interruptible Service Option Credit

\$735,572 will need to be appropriated in the 902 fund in the supplemental appropriation process to cover this cost. There is currently adequate funding however to proceed with the project.

The return on this investment, based on the ISOC agreement with Xcel, will be approximately seven years. From the payout forward the Persigo system will continue to receive \$105,000 per year for an unspecified time.

Wastewater Biogas to Vehicle Fuel.

Funding from this project will come from the Persigo Fund 904 in the way of a loan to the Fleet Internal Service fund. Since this project is not budgeted, a supplemental appropriation will be required later this year.

Legal issues:

The City Attorney will review the form and content of the agreement(s) for the ISOC.

Depending on the option selected for the biogas significant legal work will be required. The City Attorney and staff will assist the Persigo staff as required to ensure legal sufficiency and compliance of the project.

Previously presented or discussed:

The Biogas Project was discussed at a City Council Workshop on January 6th, 2014 as well as being mentioned at the last Annual Persigo Meeting on November 18, 2013. The ISOC Project was also mentioned at the November 18 Persigo Meeting.

Attachments:

None.