

ENERGY MANAGEMENT & RESOURCE CONSERVATION INITIATIVES MATRIX

Item	INITIATIVES	PRIORITY 1 - 5 1 first priority	EFFORT REQUIRED 1 - 5 5 most difficult	CONSIDERATIONS AND CHALLANCES
1.00	Sustainable Sites			Page 1
1.01	Erosion & Sedimentation Control	3	4	Major consideration in new construction. This is relative to mature properties.
2.00	Water Efficiency			
2.01	Water fixture audit – eliminate leaks, drips, etc	1	1	Routinely done by Building Maintenance Staff
2.02	Install Low Usage Water Fixtures where feasible	2	3	Overall water consumption
2.03	Install two-button flush toilets - common everywhere except this country. The smaller flush button is for liquid deposits.	3	3	Research availability and cost
2.04	Reduce turf areas where appropriate to conserve water consumption and reduce the expense of maintaining the irrigation system. Replace turf areas with non-irrigated (once established for 3-5 years) zeriscape plantings or drought resistant grasses.	3	4	Careful consideration is given in new construction.
2.05	Research materials that reduce the amount of water needed to maintain the vegetation and dust control at county facilities and in particular at the Fairgrounds.	3	3	Explore high water usage areas such as the Pavilion and Arena
2.06	Install a weather station that automatically adjusts the irrigation based upon the current weather conditions.	3	3	Currently manually manage. Would consider in major water consumption sites.
3.00	Energy & Atmosphere			
3.01	Evaluate Energy Star Program offered through NACO	1	2	Better understand the level of commitment in this particular program and it's rated value under the Energy Star Program.
3.02	Consider and preferable purchase of Energy Efficient Appliances (such as Energy Star) when available and feasible	1	1	Large industrial appliances are not usually rated by Energy Star. Cost may become a factor in some items.
3.03	Purchase only Energy Efficient Electronics (such as those with the Energy Star label)	1	1	This has become more of a standard. Readily available.
3.04	Track energy usage and target energy savings	1	3	This will be a given with an ESCO. Effort rating is based on no ESCO and staff complying data.
3.05	Install energy conserving ballast and bulbs.	1	3	Have converted the Courthouse and are in the process of bulb changes at the OMPO. We will continue to pursue.
3.06	Turn off computers, monitors, copy machines, lights and most other electronic devices every night.	1	1	Could be a check list for each department.
3.07	Turn off lights when not in use and not controlled by another means.	1	1	This could be a simple practice for times away from your office or unoccupied meeting rooms.
3.08	Purchase at least 25% "Green Power" credits from LPEA.	1	1	A full report will be requested from LPEA. The preliminary information did not include all facilities.
3.09	Re-commission building on regular basis	2	2	Ensure the efficiency and balancing for HVAC systems. Outside contractor.
3.10	Reduce energy consumption through better controls on interior and exterior lighting. Such as install motion sensors for the lighting fixtures. Audit security lighting at night to obtain an appropriate coverage including timers and/or motion sensors as appropriate.	2	4	Effort rating could be reduced with the use of an ESCO.
3.11	Research the cost and benefits of installing hydronic solar panels for heating domestic hot water.	3	3	
3.12	Consider alternative design solutions such as hydro electric or solar when buying or building facilities	4	3	
3.13	Remodel the Exhibit Hall and Extension Building with up-to-date insulation techniques. New ceiling insulation can be added in conjunction with new lighting to reduce inconvenience to staff and event holders.	5		While this has merit its low priority is based on the continued discussions about the future use of the fairgrounds facilities and possible move.

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4.00	Materials and Resources				
4.01	Conduct a waste stream audit to establish baseline amounts of paper, glass, cardboard, and aluminum	1	2	This can be a simple as a regular review of items in the dumpster.	
4.02	Provide an easily accessible recycling area that serves the entire building and dedicated to separation, collection and storage of paper, glass, cardboard, and metals	1	3	Space necessary for easy access may be a challenge in many existing facilities. Manpower will be in all.	
4.03	Implement paper-saving policy: 1) use e-mail; 2) save important emails to hard-drive or archive – don't print out; 3) stress duplexing; 4) save goofs for drafts	1	1	This is about changing behaviors. While easy to promote, achieving results could be long term.	
4.04	Implement a safe disposal system for Florescent bulb	1	2	Possible recyclers or equipment to crush	
4.05	Test quality recycled paper products and toner cartridges	2	2	Select a department to monitor and provide feedback.	
4.06	Research and implement a composting method that will recycle all of the organic wastes.	3	3	The manure from horse stalls is currently being used by us or offered to other for use.	
4.07	Replace paper towel dispensers where feasible.	In Progress	2	Some dispensers do not promote conservation of paper.	
4.08	Implement the recycling of all oil filters by an outside vendor for fleet maintenance.	Done	1		
5.00	Indoor Environmental Quality				
5.01	Purchase "Green Clean" chemicals and techniques for maintaining the cleanliness of the buildings where feasible.	2	1	Currently upgrading chemical dispensing systems. One in four is a "Green Clean" chemical.	
5.02	Install programmable thermostats where appropriate.	3	3	Some systems or buildings would not improve efficiency. This may be a part of an ESCO.	
5.03	Tobacco policy	done			
5.04	Outside air ventilation distribution system to meet ASHRAE 62.1-2004. (American Society of Heating, Refrigeration and Air-Conditioning Engineers) If not possible, modify system to supply at least 10 cfm/person			Maybe a part of recommissioning buildings - needs more research. Less effective in high traffic buildings	
5.05	Asbestos/PCB management policy			Currently monitor. Needs more research to understand the commitment beyond Federal Regulations.	

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6.00	Innovation in Upgrades, Operations and Maintenance				
6.01	Nurture an organizational culture to promote energy management and resource conservations. Implementation ideas include the following: Provide an easy reference checklist to employees of 10 or so simple things that they can do to reduce, reuse and recycle at work. (Maybe a bookmark) Host contest with employees to encourage them to come with their own ideas about how we can reduce, reuse and recycle. Provide notices or articles in the employee Newsletter regarding energy management and resource conservation. Develop a campaign to communicate energy efficiency and resource management measures to staff and citizens of La Plata County.	1	4		
6.02	Recommend that the BOCC formally appoint this committee.	1	1	Shows institutional support and commitment to the process and activities.	
6.03	Evaluate LEED Program for recommendations for New Buildings.	1	4	LEED Program takes careful consideration from conception through occupation.	
6.04	Utilize LEED-EB program for possible recommendations for Existing Buildings.	1	4		

6.05	Implement Bio-diesel where feasible	1	2	Holding tanks at the Durango fueling facility have been tested and will be converted. Other fuel tanks will need to be tested.
6.06	US Green Building Council National Membership - Organizational	1	1	Access to training and materials Cost to join is \$500
6.07	Add emissions component to the selection criteria for fleet vehicles as appropriate	1	2	
6.08	Add fuel efficiency component to the selection criteria for fleet vehicles as appropriate	1	2	
6.09	Replace the Gators with golf carts or carts similar to the electric vehicle.	1	1	As they need replacing.
6.10	Annual review alternate fuel options for fleet vehicles. Recommend purchase where appropriate	1	3	The cost benefits will vary based on the type of driving and usage of the vehicle.
6.11	Consolidate efforts and research acceptable prescription drug disposal for the medical staff at the jail, the coroner and possible our employees.	3	2	
6.12	Provide better Fairgrounds access to the bike trail to encourage visitors to walk and bike to Fairgrounds events and meetings.	4	4	
6.13	US Green Building Council State Chapter - Individual	5	1	Could change if a local chapter is established. Cost \$50
6.14	Fleet should have a standard policy of idling county fleet vehicles a maximum of 5 minutes after cold start. Several Colorado cities have ordinances against idling more than five minutes for control of pollution emissions, air quality considerations as well as greenhouse gas concerns.			
6.15	Create a specific plan to meet the US Mayor's Climate Control Initiative as endorsed by the BOCC	done		This matrix is consider our plan.
6.16	Commit to LEED certifying the new Human Services building in Bodo.	done		