

## APPENDIX A

### PROJECTS TO BE FUNDED WITH BOND PROCEEDS

1. **McPherson Unit (Female) Expansion:** Expansion of the McPherson Unit is needed in order to meet security needs for housing seriously mentally ill female inmates and for those that need to be segregated from the general population for various infractions. This expansion will provide 36 new special program beds, 51 administration segregation beds, laundry and expansion of visitation and associated administrative areas. ADC (the "Agency") entered into a Memorandum of Understanding for substantial compliance with constitutional issues brought about by the U.S. Department of Justice, and this project will help insure that our mental health program for females remains compliant.

**Budget: \$11,009,173**

2. **Tucker/ Tucker Max Wastewater Plant:** The lagoon system at the Tucker/Tucker Maximum Security Units is antiquated and in great need of repair in order to meet requirements of ADEQ and the EPA. If the project is approved, ADC will contract to build a new wastewater plant that will include an oxidation ditch with clarifiers and an ultraviolet disinfection system. The alternative would be to retrofit (repair) existing lagoons, however, the expense would be such that it is more cost effective and efficient to build the new wastewater plant.

**Budget: \$6,080,000**

3. **Energy Savings Projects:** Recently, the Department, through the Office of State Procurement, issued a "Request for Proposal" for energy efficiency projects which would provide funding through an energy company guaranteed savings in maintenance and operations costs. The request was made prior to the Agency realizing the bond financing would be available. Since the possibility exist, it is more economically advantageous to complete these projects through the Construction Division instead of paying a company to manage these projects. The projects, included, but not limited to, are as follows:

- a. **Tucker and Cummins "Pod" Efficiencies:** The Tucker and Cummins Unit pods were constructed in the late 70's and early 80's. The outside concrete walls were not insulated. Due to the lack of insulation, the walls condensate in the cells, the hollow metal frames rust and the thermal load is great. The plan would be to insulate the outside walls, build and install new insulated window frames and reglaze the windows with energy efficient glass.
- b. **Boiler Room Expansions and Pipe Insulation (All Units):** This project would include energy improvements at all units, but the priority would be the Tucker and Cummins Units. These units have the water distribution system exposed on the roof. The boiler and pipe insulation utilized at the time were the industry standards. However, there have been great improvements in

these materials. The Agency will study and develop plans to replace and repair necessary components of the existing systems.

- c. **Roofing (All Units):** The Agency has many roof issues throughout the state. Over the years, there has been a great amount of progress in utilizing more energy efficient metal roofing and newer composite roofing. A comprehensive roof program will improve energy and reduce maintenance cost due to roof leaks.
- d. **HVAC Replacements (All Units):** The Agency continually replaces Heat, Ventilation and Air Conditioning Units with more efficient units, reducing energy consumption. However, due the lack of capital monies, the Agency “repairs” many pieces of equipment that should be replaced. Utilization of these funds would allow the Agency to get a more aggressive replacement schedule thus reducing utility cost.
- e. **Thermal Protection Upgrades (All Units):** The project would incorporate “Green” energy saving components at various facilities where determined to be cost effective. Examples might include solar panels, insulation, hydronic water systems, etc.

**Budget: \$10,000,000**