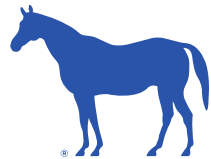


STATUS UPDATE: ENERGY INITIATIVES

*James Bush, Energy Initiatives Section Manager
Environmental Quality & Public Works Committee
March 12, 2024*



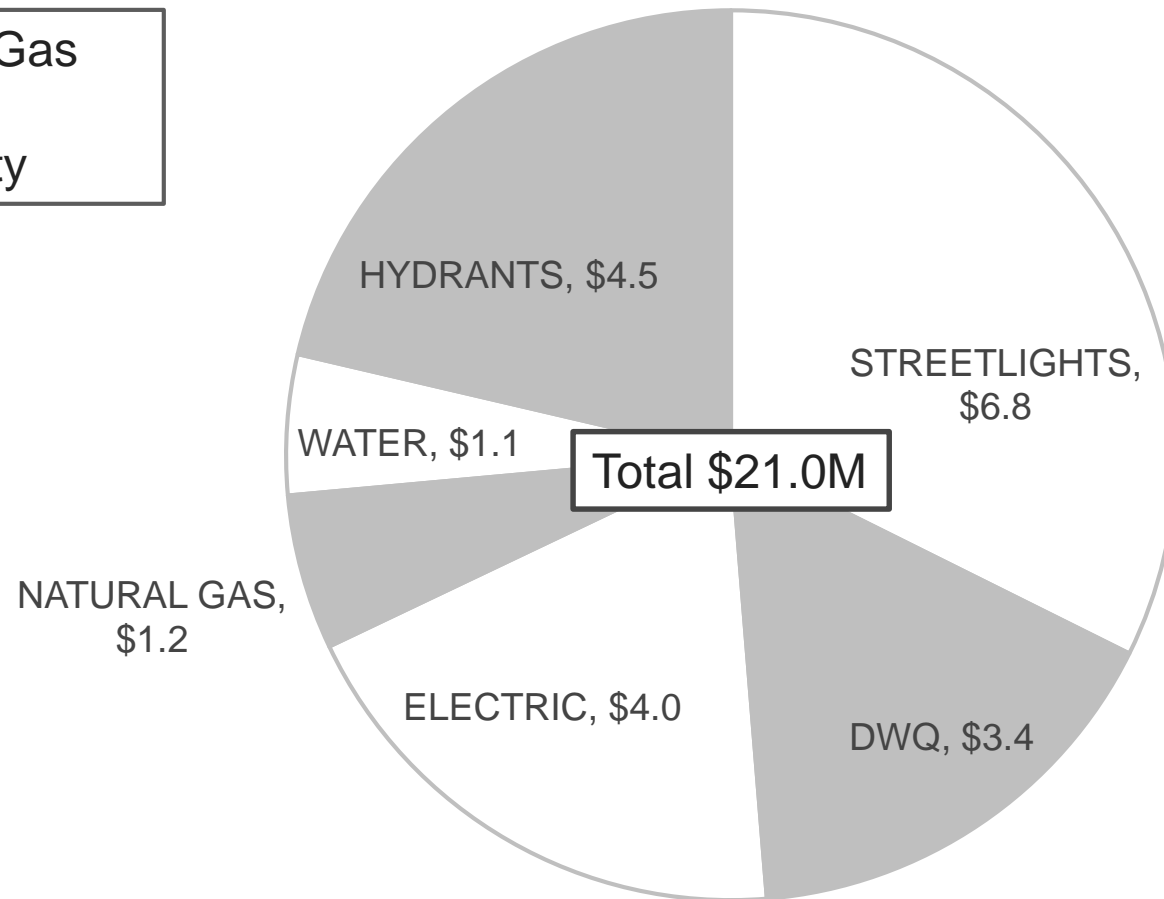
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Presentation Outline

- Utility Snapshot
- FY 2024 EIF Projects
- EIF Fund Balance
- Comments & Conclusions

FY 2023 Utility Expenses (millions)

Natural Gas
Water
Electricity



Prior Years	
FY20	\$19.7M
FY21	\$19.2M
FY22	\$20.5M
FY23	\$21.0M

FY 2024 Solar Projects

- **Tates Creek Community Center**
- **South Base Facility**
- **Masterson Station Maintenance Building - *In Process***

- **Added capacity +54 kWdc**

- **Total capacity 154 kWdc (8 installs; 2 on-bill)**

EIF Investment:

\$136,778

Year 1 Estimated Cost Avoidance:

\$7,575 /yr

Estimated Energy Avoidance:

62,891 kWh/yr

Tates Creek Community Center

Location: 3460 Campus Way

Solar Array: 12.3 kWdc

Est Output: 13,995 kWh

Est Savings: \$1,710



South Base Maintenance

Location: 600 Laramie Dr

Solar Array: 17.2 kWdc

Est Output: 19,553 kWh

Est Savings: \$2,381



FY 2024 continued

- Fire Station #22
Requesting proposals under RFP #17-2024
- KU Solar Share Program
Buildings not compatible with on-site installation can participate in this program to receive solar offsets/credits on the utility bill
- Working with Finance to pursue federal rebates for LFUCG solar projects
- Lighting projects < \$10,000 this year

Energy Improvement Fund Balance *(as of 2/27/2024)*

General Services (1101, 1105)	\$47,987
Urban Services (1115, 1116)	\$30,824
Sanitary Sewer (4002, 4003)	\$263,502

- EIF-1101 is fully allocated and part of annual appropriation request. Additional funding is expected through federal EECBG program.
- EIF-1115 and EIF-4002. Funding requests have been paused. Will proceed on a project basis (year-to-year).

Conclusions & Comments

- Continued emphasis on solar PV
- Coordinating with re-roofing projects
- Obstacles with new construction:
 - Considered an accessory
 - High cost when isolated as an alternate
- New Police East Sector was designed to be ‘solar ready’
- New Therapeutic Center TBD
- Solar at the time of construction would require policy/directive

Questions?



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