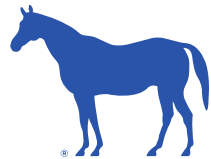


STATUS UPDATE: ENERGY INITIATIVES

*James Bush, Energy Initiatives Section Manager
Environmental Quality & Public Works Committee
March 11, 2025*



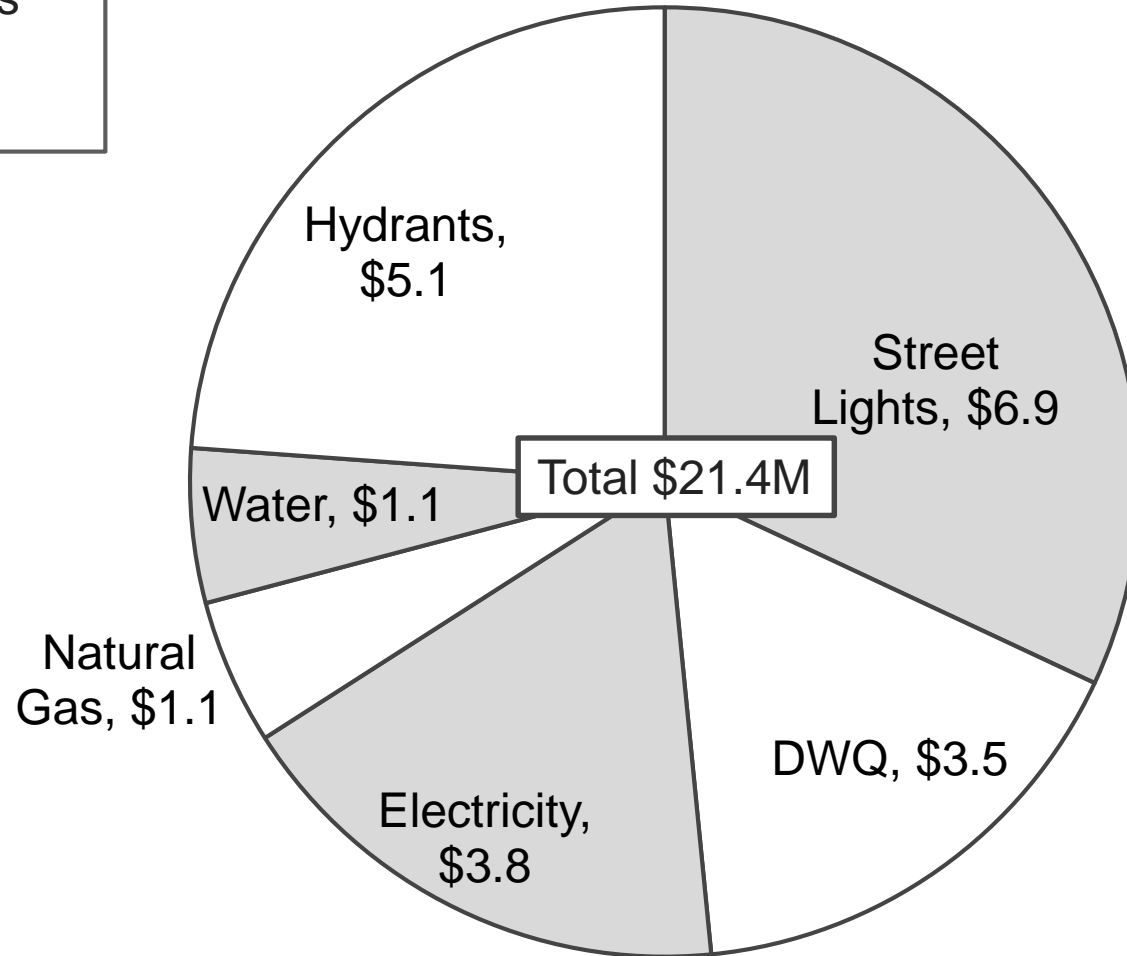
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Presentation Outline

- Utility Snapshot
- FY 2025 EIF Projects
- EIF Fund Balance
- Comments & Conclusions

FY 2024 Utility Expenses (millions)

Natural Gas
Water
Electricity



In 2025...
19% increase to WATER
7% increase to GAS
ELEC tbd

Prior Years	
FY21	\$19.2M
FY22	\$20.5M
FY23	\$21.0M
FY24	\$21.4M

FY 2025 Solar Projects

- Fire Station #22
- Fire Station #19 - *In Process*
- Solar Shares
 - Northbase, Comm Tower
 - Station #20, Station #8

- Added capacity +49 kWdc

- Total capacity 203 kWdc
(10 installs; 6 on-bill)

EIF Investment:

\$137,031

Year 1 Estimated Cost

Avoidance:

\$7,885 /yr

Estimated Energy Avoidance:

65,310 kWh/yr

FY 2025 continued

- Solar @ Police East Sector
RFP anticipated in FY2025
- Tates Creek Ballroom HVAC replacement
Potential cost-share project with Parks & Rec
- KU Solar Share Program
Option for buildings not compatible with on-site installation
- Working with Finance to pursue federal rebates
for LFUCG solar projects
- Lighting projects < \$8,000

Fire Station #22

Location: 4393 Clearwater Way

Solar Array: 22.1 kWdc

Est Output: 28,186 kWh

Est Savings: \$3,179

Note: not designed for solar;
large east-facing roof



Police West Training Center (Review)

Location: 1799 Old Frankfort Pike

Project Year: 2024

Solar Array: 30.2 kWdc

Year 1 Savings: \$4547

- Period 7/27/23 to 7/26/204

- Modeled Savings \$3807

71% of solar energy used
on site; reducing purchased
electricity by 30%



Energy Improvement Fund Balance (as of 2/24/2025)

General Services (1101, 1105)	\$272,147
Urban Services (1115, 1116)	\$30,824
Sanitary Sewer (4002, 4003)	\$263,502

- EIF-1101 was fully expended at close FY2024
- Balance above reflects FY2025 allocation *plus* earmark for solar projects
- Smaller allocation request in FY2026 MPB in anticipation of (federal) EECSBG

- 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 new and re-roofing projects
 - Police East Sector
 - Police West Roll Call
 - Police Technical
 - Black & Williams Community Building
- Above-code efficiency and solar are optional
 - Senior Therapeutic Center will be the first building to include photovoltaics at construction
 - High performance buildings would require policy/directive

Questions?



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