











Roadmap to Federal Funding

Presentation to

Kansas Senate Select Committee for Wind Turbine Lighting
October 27, 2022

Infrastructure Investment and Jobs Act (IIJA) Bipartisan Infrastructure Law (BIL)

Once-in-a-generation investment in infrastructure



No More Lead Pipes



High-Speed
Internet Access



Better Roads and Bridges



Investments in Public Transit



Upgrade Airports and Ports



Investment in Passenger Rail



Network of Electric
Vehicle Chargers



Upgrade Power Infrastructure



Resilient Infrastructure



Investment in Environmental Remediation

Infrastructure Investment and Jobs Act (IIJA) Bipartisan Infrastructure Law (BIL)

- \$1.2 Trillion Investment in Infrastructure/Economic Growth/Jobs/Communities
 - >375 unique programs at over a dozen federal agencies
 - >125 new programs across 9 federal agencies representing 25% of spending
 - >90 of investments will be delivered by non-federal partners
 - \sim 60% flowing through formula grants
 - ~38% of funding contains provisions for expanded federal cost sharing arrangements – particularly for rural and disadvantaged communities

Source: U.S. Dept. of Transportation

Bipartisan Infrastructure Law Overview

\$1.2 trillion

Nationwide over 5 years

60%

Formula Funds

\$3.8 billion

For Kansas

40%

Competitive Grants

TBD

For Kansas

Source: Kansas Infrastructure Hub

BIL Formula Funding for Kansas

\$2.6 billion
<u> </u>
\$225 million
\$272 million
\$109 million
\$40 million
\$100 million
\$454 million
\$25 million
\$14 million
\$3.8 billion

NOTE: Not all new money & does not include potential discretionary dollars

Source: Kansas Infrastructure Hub

^{*}Includes state, city & county

Inflation Reduction Act (IRA)

What's in the IRA:

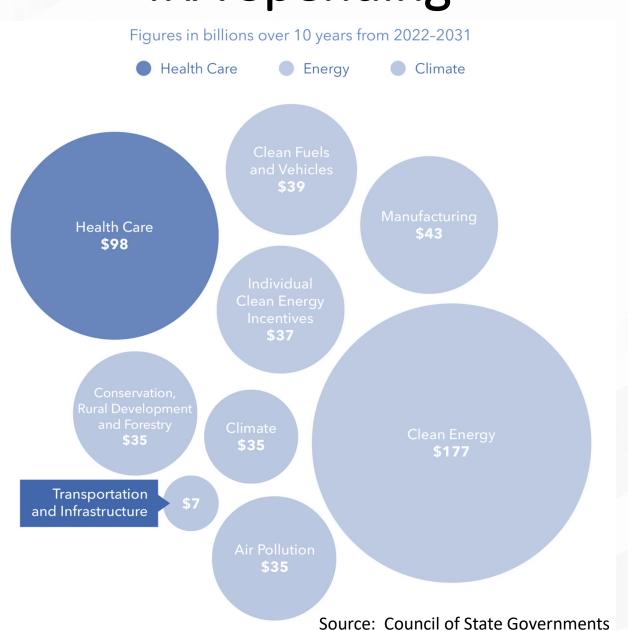
- Creation of a 15% corporate minimum tax rate
- Prescription drug price reform
- IRS tax enforcement
- Affordable Care Act (ACA) subsidy extension

• And,

- Energy security and climate change investments
 - Investment in domestic energy production and manufacturing
 - Reduction in carbon emissions by roughly 40 percent by 2030
 - Allows tax-exempt entities to claim energy tax credits directly (includes municipal utilities)



IRA Spending



IRA Energy and Climate Funding

Energy and Climate	\$386 billion
Clean Electricity Tax Credits	\$161 billion
Air Pollution, Hazardous Materials, Transportation and Infrastructure	\$ 40 billion
Individual Clean Energy Incentives	\$ 37 billion
Clean Manufacturing Tax Credits	\$ 37 billion
Clean Fuel and Vehicle Tax credits	\$ 36 billion
Conservation, Rural Development, Forestry	\$ 35 billion
Building Efficiency, Electrification, Transmission, Industrial, DOE Grants and Loans	\$ 27 billion
Other Energy and Climate Spending	\$ 14 billion

Source: Council of State Governments

What's In It for Kansas?

Kansas Infrastructure Hub

- Kansas' coordinated approach
 - Working to identify best practices from across the nation for deploying funds and maximizing Kansas' funding opportunities.
- State Agency Sub-Cabinet
 - Administration
 - Agriculture
 - Commerce
 - Health and Environment
 - Transportation
 - Kansas Corporation Commission
 - Kansas Water Office
- Led by Transportation Secretary Julie Lorenz



Kansas Infrastructure Hub

Advisory Committee

 Public and Private Sector Partners to Maximize Funding to Kansas

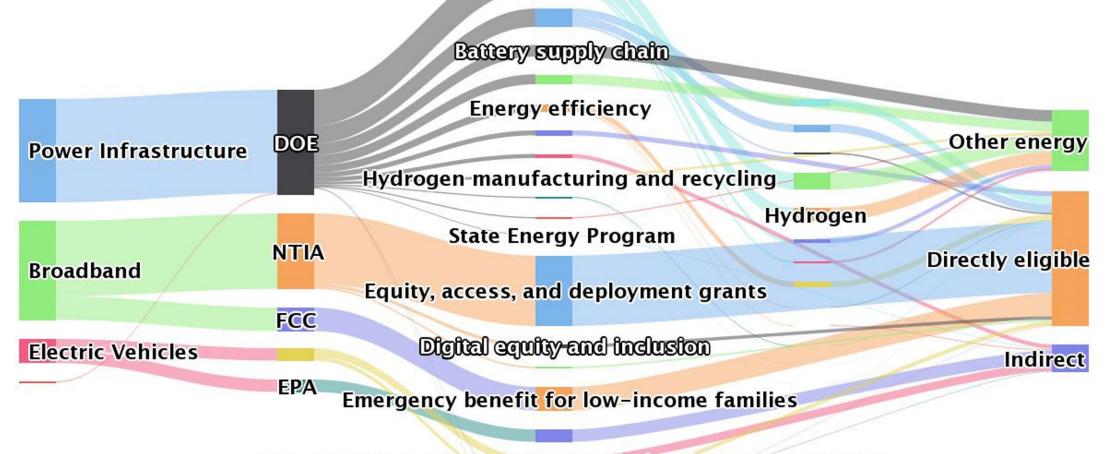
Kansas Infrastructure Summit

- Wichita July 13-14
- 500 attendees in-person/150 online
- Raise awareness about the funding opportunities
- Identify ways to collaborate and to generate and prioritize actions to maximize the impact of federal dollars for the state



Funding Pathways

Energy demonstration and development



State formula funding to develop National Charging Network

Advanced technology and applications

Problematic Issues for Kansas Cities and Utilities

- Registering for grant eligibility (Grants.gov)
- Required matching funds for various funding opportunities
- Short application
- Internal capacity to develop and submit grant and other funding applications
- Internal capacity to administer grant awards



Possible State Assistance?

State Funding

- Matching Grant Funds
- Federal Grant Registration Assistance
- Grant Writing and Administration Support

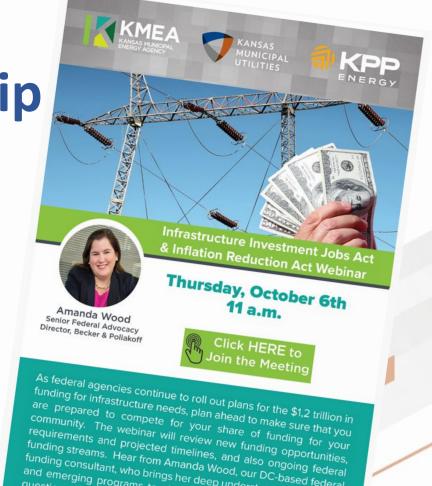


Utility Organization Partnership



Utility Organization Partnership

- KMU/KMEA/KPP Partnership
 - Hired Consulting Firm
 - Identifying Utility Funding Opportunities
 - Energy Infrastructure/Generation/Grid Security & Reliability/EV Infrastructure/Water/Broadband/Others
 - Conducting Informational Webinars
 - Answering Questions
 - Serve as Overall Resource for Combined Membership



funding streams. Hear from Amanda Wood, our DC-based federal funding consultant, who brings her deep understanding of existing and emerging programs to give you guidance and answer your questions. Please join as we discuss how to maximize federal funds to empower your utility and your community

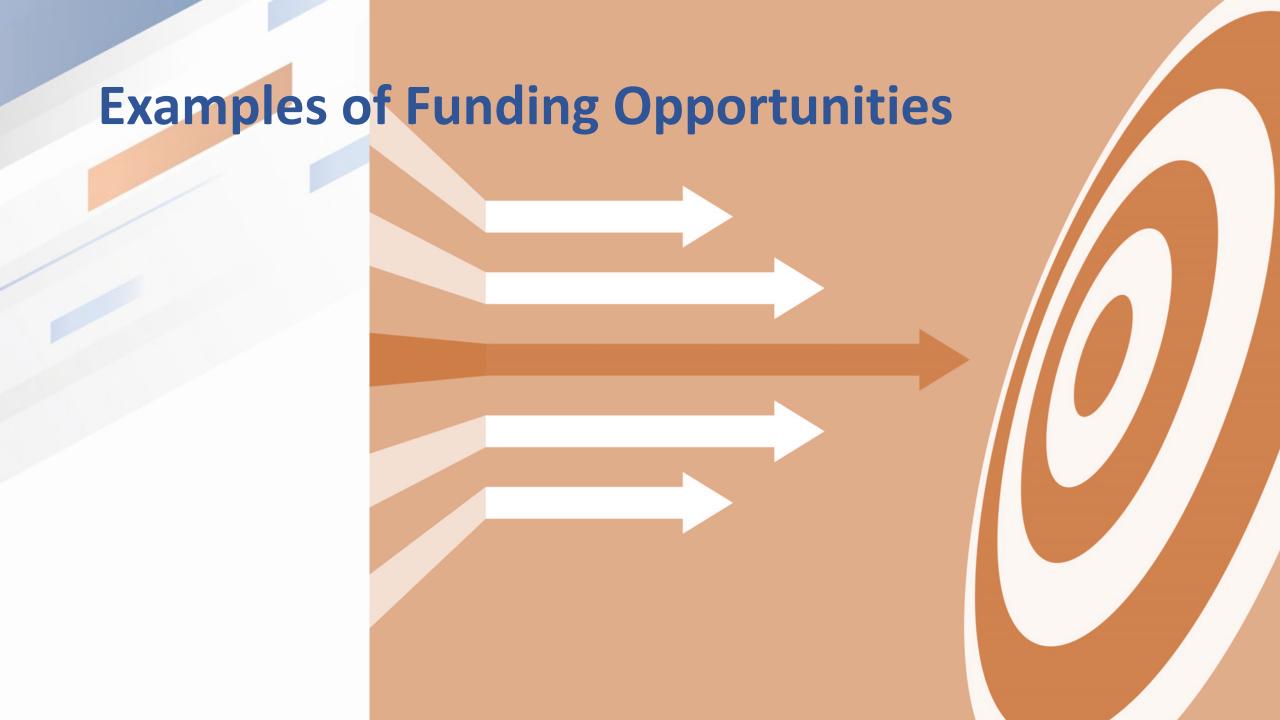
Questions

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Program Name	Agency Name	Funding Amount
Power Marketing Administration Transmission Borrowing Authority	Department of Energy	\$10,000,000,000
Regional Clean Hydrogen Hubs	Department of Energy	\$8,000,000,000
Civil Nuclear Credit Program	Department of Energy	\$6,000,000,000
Program Upgrading Our Electric Grid and Ensuring Reliability and Resiliency	Department of Energy	\$5,000,000,000
Preventing Outages and Enhancing the Resilience of the Electric Grid / Hazard Hardening	Department of Energy	\$5,000,000,000
Four Regional Clean Direct Air Capture Hubs	Department of Energy	\$3,500,000,000
Weatherization Assistance Program	Department of Energy	\$3,500,000,000
Battery Materials Processing Grants	Department of Energy	\$3,000,000,000
Battery Manufacturing and Recycling Grants	Department of Energy	\$3,000,000,000
Smart Grid Investment Matching Grant Program	Department of Energy	\$3,000,000,000
Carbon Capture Demonstration Projects Program	Department of Energy	\$2,537,000,000
Transmission Facilitation Program	Department of Energy	\$2,500,000,000
Carbon Storage Validation and Testing	Department of Energy	\$2,500,000,000
Advanced Reactor Demonstration Program	Department of Energy	\$2,477,000,000
Carbon Dioxide Transportation Infrastructure Finance and Innovation Program	Department of Energy	\$2,100,000,000
Energy Improvement in Rural or Remote Areas	Department of Energy	\$1,000,000,000
Clean Hydrogen Electrolysis Program	Department of Energy	\$1,000,000,000
Carbon Capture Large-Scale Pilot Programs	Department of Energy	\$937,000,000
Advanced Energy Manufacturing and Recycling Grants	Department of Energy	\$750,000,000
Critical Material Innovation, Efficiency, And Alternatives	Department of Energy	\$600,000,000
Rehabilitation of High Hazard Potential Dams	Department of Homeland Security	\$585,000,000
Maintaining and Enhancing Hydroelectricity Incentives	Department of Energy	\$553,600,000
Energy Efficiency and Conservation Block Grant Program	Department of Energy	\$550,000,000
Purchase of Power and Transmission Services	Department of Energy	\$500,000,000
State Energy Program	Department of Energy	\$500,000,000
Clean Hydrogen Manufacturing Recycling Research, Development, and Demonstration Program	Department of Energy	\$500,000,000
Industrial Emission Demonstration Projects	Department of Energy	\$500,000,000
Grants for Energy Efficiency and Renewable Energy Improvements at Public School Facilities	Department of Energy	\$500,000,000
Industrial Research and Assessment Center Implementation Grants	Department of Energy	\$400,000,000
Energy Storage Demonstration and Pilot Grant Program	Department of Energy	\$355,000,000
Earth Mapping Resources Initiative	Department of the Interior	\$320,000,000
Carbon Utilization Program	Department of Energy	\$310,140,781
Assisting Federal Facilities with Energy Conservation Technologies Grant Program	Department of Energy	\$250,000,000
Energy Efficiency Revolving Loan Fund Capitalization Grant Program	Department of Energy	\$250,000,000
Cost-effective Codes Implementation for Efficiency and Resilience	Department of Energy	\$225,000,000
National Dam Safety Program	Department of Homeland Security	\$215,000,000

Energy and Minerals Research Facility	Department of the Interior	\$167,000,000	
Industrial Research and Assessment Centers	Department of Energy	\$150,000,000	
Long-Duration Energy Storage Demonstration Initiative and Joint Program	Department of Energy	\$150,000,000	
Rare Earth Elements Demonstration Facility	Department of Energy	\$140,000,000	
Rare Earth Security Activities	Department of Energy	\$127,000,000	
Battery and Critical Mineral Recycling	Department of Energy	\$125,000,000	
Hydroelectric Production Incentives	Department of Energy	\$125,000,000	
Watershed Rehabilitation Program	Department of Agriculture	\$118,000,000	
Front-End Engineering and Design Program Out Activities Under Carbon Capture Tech Program 962 Of EPA (Sec 40303)	Department of Energy	\$100,000,000	
Commercial Direct Air Capture Technology Prize Competition	Department of Energy	\$100,000,000	
Enhanced Geothermal Systems and Pilot Demonstrations	Department of Energy	\$84,000,000	
Section 243 Hydroelectric Efficiency Improvement Incentives (Sec 40332)	Department of Energy	\$75,000,000	
Critical Material Supply Chain Research Facility	Department of Energy	\$75,000,000	
Marine Energy Research, Development, and Demonstration	Department of Energy	\$70,400,000	
Wind Energy Technology Program	Department of Energy	\$60,000,000	
Energy Efficiency Materials Pilot Program	Department of Energy	\$50,000,000	
Energy Auditor Training Grant Program	Department of Energy	\$40,000,000	
Solar Energy Research and Development	Department of Energy	\$40,000,000	
Wind Energy Tech Recycling Research & Development	Department of Energy	\$40,000,000	
National Marine Energy Centers	Department of Energy	\$40,000,000	
Hydropower Research, Development, and Demonstration	Department of Energy	\$36,000,000	
Solar Recycling Research & Development	Department of Energy	\$20,000,000	
New Solar Research & Development	Department of Energy	\$20,000,000	
Pre-Commercial Direct Air Capture Prize Competitions	Department of Energy	\$15,000,000	
Pumped Storage Hydropower Wind and Solar Integration and System Reliability Initiative	Department of Energy	\$10,000,000	
Extended Product System Rebates	Department of Energy	\$10,000,000	
Energy Efficient Transformer Rebates	Department of Energy	\$10,000,000	
Lithium-Ion Recycling Prize	Department of Energy	\$10,000,000	
Career Skills Training	Department of Energy	\$10,000,000	
Building, Training, And Assessment Centers	Department of Energy	\$10,000,000	
Capital Improvement and Maintenance for Dams	Improvement and Maintenance for Dams Department of Agriculture		
TOTAL - CLEAN E	\$74,952,140,781		

Clean Energy and Power - \$74,952,140,781

Program Name	Agency Name	Funding Amount		Department of Agriculture	\$250,000,000	orce	Department of Agriculture	\$50,000,000
Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) - Formula	Department of Transportation	\$7,299,999,998	ent And Maintenance - Legacy Road And Program	Department of Agriculture	\$250,000,000	ience	Department of Energy	\$50,000,000
Flood Mitigation Assistance Grants (National Flood Insurance	Department of Homeland	\$3,500,000,000	erior Wildfire Management - Preparedness	Department of the Interior	\$245,000,000		Department of Energy	\$50,000,000
Act Sec 1366) Coastal Storm Risk Management, Hurricane, And Storm	Security Department of Defense –	\$2,550,000,000	als and Emergency Preparedness Grants	Department of Transportation	\$234,125,000		Department of the Interior	\$50,000,000
Damage Reduction Projects	Army Corps of Engineers Department of Defense –	Ψ2,330,000,000	agement	Department of Commerce	\$207,000,000		Department of the Interior	\$50,000,000
Inland Flood Risk Management Projects	Army Corps of Engineers	\$2,500,000,000	vironmental Infrastructure Assistance	Department of Defense – Army Corps of Engineers	\$200,000,000	eral Lands	Department of the Interior	\$50,000,000
Aquatic Ecosystem Restoration Projects	Department of Defense – Army Corps of Engineers	\$1,900,000,000	assage	Department of the Interior	\$200,000,000		Department of Defense – Army Corps of Engineers	\$45,000,000
Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) - Discretionary	Department of Transportation	\$1,400,000,000	scape Restoration Partnership Program	Department of Agriculture	\$180,000,000	t Were	Department of Defense –	\$45,000,000
Promoting Resilient Operations for Transformative, Efficient,	Department of	\$1,400,000,000	ath Basin	Department of the Interior	\$162,000,000	ites	Army Corps of Engineers Department of the Interior	\$45,000,000
and Cost-Saving Transportation (PROTECT) - Discretionary Building Resilient Infrastructure and Communities (Robert T	Transportation Department of Homeland		m	Department of Defense – Army Corps of Engineers	\$160,000,000	res	Department of the Interior	
Stafford Act Section 203(i))	Security	\$1,000,000,000	ts Via States And Tribes	Department of Agriculture	\$160,000,000		Security	\$38,800,000
Community Wildfire Defense Grant Program For At-Risk Communities	Department of Agriculture	\$1,000,000,000	Restoration Contracts	Department of Agriculture	\$150,000,000		Department of Homeland Security	\$35,000,000
State and Local Cybersecurity Grant Program	Department of Homeland	\$1,000,000,000	silience - Community Relocation	Department of the Interior	\$130,000,000		Department of Defense – Army Corps of Engineers	\$30,000,000
	Security Department of the Interior		l Observing Systems	Department of Commerce	\$100,000,000	of 2020	Department of Defense –	\$20,000,000
Wildfire Management - Fuels Management	Department of the Interior	\$878,000,000	ıd Recovery Fund	Department of Homeland	\$100,000,000	Units Of	Army Corps of Engineers	\$30,000,000
Reforestation Trust Fund (Replant Act) Hazardous Fuels Management	Department of Agriculture Department of Agriculture	\$528,000,000	ects To Improve Watershed Health	Security Department of the Interior	\$100,000,000	:se-911	Department of Agriculture	\$30,000,000
Hazard Mitigation Revolving Loan Funds/Safeguarding	1 0	\$514,000,000	ation For Biochar And Innovative Wood			 	B	
Tomorrow through Ongoing Risk Mitigation (STORM) Act	Department of Homeland Security	\$500,000,000		Department of Agriculture	\$100,000,000	ation.	Department of the Interior	\$26,000,000
(Robert T Stafford Act, Sec 205)	•	Ф=00 000 000	st Landscape Restoration Program	Department of Agriculture	\$100,000,000	ation	Department of the Interior	\$23,668,000
Watershed And Flood Prevention Operations National Oceans and Coastal Security Fund	Department of Agriculture	\$500,000,000	ion	Department of Agriculture	\$100,000,000		Department of Agriculture	\$20,000,000
Flood and Inundation Mapping and Forecasting, Water	Department of Commerce	\$492,000,000	on Grants	Environmental Protection Agency	\$100,000,000		Department of Agriculture	\$20,000,000
Modeling, and Precipitation Studies	Department of Commerce	\$492,000,000	getation On Federal/Non-Federal Land	Department of Agriculture	\$100,000,000		Department of the Interior	\$17,000,000
Habitat Restoration	Department of Commerce	\$491,000,000	agement on Federal Lands Program and	Department of Agriculture	\$100,000,000		Department of Homeland Security	\$14,500,000
Federal Wildland Firefighter Salaries And Expenses	Department of Agriculture	\$480,000,000	nagement on Cooperative Lands Program ent And Maintenance - Construction And	Department of rightculture	\$100,000,000	, and Risks	Department of Homeland	\$13,400,000
Continuing Authorities Program (Under Flood Control Act And River And Harbor Act)	Department of Defense – Army Corps of Engineers	\$465,000,000	oads For Forest Restoration Projects That	Department of Agriculture	\$100,000,000	, una Rioko	Security Department of Homeland	
Hazardous Fuels (Mechanical Thinning And Timber	Department of Agriculture	\$400,000,000	isk	Description of the Laterian	ф		Security	\$12,800,000
Harvesting; Precommercial Thinning In Young Growth) Financial Assistance To Facilities That Purchase And Process			und	Department of the Interior	\$100,000,000	c ronmental	Department of Agriculture	\$10,000,000
Byproducts For Ecosystem Restoration Projects	Department of Agriculture	\$400,000,000	inding For Invasives	Department of the Interior	\$100,000,000		Department of righteurture	Ψ10,000,000
Grants For States And Tribes For Voluntary Restoration	Department of the Interior	\$400,000,000	iliana Adamentian Planning	Department of Agriculture Department of Agriculture	\$88,000,000	Program	Department of Agriculture	\$10,000,000
Burned Area Recovery	Department of Agriculture	\$325,000,000	silience - Adaptation Planning		4.0			\$10,000,000
Department of Interior Wildfire Management - Burned Area Rehabilitation	Department of the Interior	\$325,000,000	mputing ire Finance and Innovation Program	Depar Resilie	nce - \$3	37,86	67,099,24	\$8,000,000
Colorado River Drought Contingency Plan	Department of the Interior	\$300,000,000		Army	+	4	Department of Agriculture	
Emergency Watershed Protection Program	Department of Agriculture	\$300,000,000	rt to Implement National Seed Strategy	Department of Agriculture	\$70,000,000		Department of Homeland	\$4,000,000
Flood Control and Coastal Emergencies	Department of Defense – Army Corps of Engineers	\$251,000,000	nding (Or Other) For National Revegetation	Department of the Interior	\$70,000,000		Security Department of Homeland	\$2,800,000
Cybersecurity for the Energy Sector Research, Development, and Demonstration Program	Department of Energy	\$250,000,000	ture Security and Resilience Research	Department of Homeland Security	\$69,806,250	ıg At-Risk	Security Department of Agriculture	
Rural And Municipal Utility Advances Cybersecurity Grant And Technical Assistance Program	Department of Energy	\$250,000,000	ıtegy	Department of Agriculture	\$60,000,000		Department of Agriculture Department of Homeland	\$1,200,000
Aquatic Ecosystem Restoration And Protection Projects	Department of the Interior	\$250,000,000		Department of Commerce	\$50,000,000	<u> </u>	Security	\$1,000,000
Prescribed Fires	Department of Agriculture	\$250,000,000		Department of Commerce	\$50,000,000		TOTAL - RESILIENCE	\$37,866,099,248
1 1 000 1 1 1 0 0 0 1 1 1 0 0	2 spartment of rigitation	Ψ=30,000,000	l Observing Systems	Department of Commerce	\$50,000,000			+0/,000,099,=40

What Can We Do Now?

Is Your Organization Ready?

- Register with GRANTS.gov NOW!
 - If registered, new Unique Entity Identifier (UEI) requirement as of April 2022
- Validate entity with SAM.gov
 - System for Award Management
- Register with FedConnect.net
 - Bridges the gap between government agencies, vendors, and grants applicants







Grant Application Process and Timing

- Pre-Award Phase (approximately 4 months)
 - Funding Opportunity Announcement (FOA) published on Grants.gov
 - Grant applications are due 30 to 60 days after the FOA is published
 - Applications undergo review process (e.g., peer review, financial review) for 1-3 months
- Award Phase (approximately 1-2 months)
 - Funding recommendations become a final funding decision
 - Grant-making agency sends Notice of Award (NOA) to successful grant applicant
 - Post Award (approximately 1-5 years)

Implementation Phase

- Applicant does routine progress and financial reporting for the duration of the grant
- Grantors conduct audits and monitoring for the duration of the grant
- Closeout is the official ending to the grant

Source: Grants.gov

Key indicators of Funding Success

- Have a plan to improve quality of life for your residents (its about the use case, not the shopping list)
- Show a local commitment to this effort, including community partners, both government and non-government
- Coordination with other local agencies, including Emergency Management
- Have early conversations with federal program managers
- When needed, identify and establish research partnerships early
- Compile data to support your request
- Arm your federal elected officials to advocate for you

Source: Becker & Poliakoff

PLAN NOW!!!

- Identify Potential Local and/or Regional Collaborative Projects
- Engage Stakeholders Early
- Identify Grant Writing Capabilities
- Monitor and Track Funding Opportunities
- Be ready when funding announcement are released



Goal: Maximize Funding for Kansas



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