

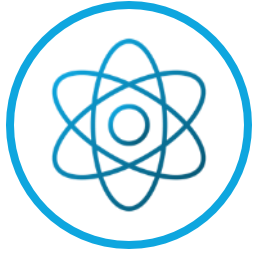
# INCORPORATING DOMESTIC BEST PRACTICES AND LESSONS LEARNED

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# DOMESTIC EXEMPLARS FY 23



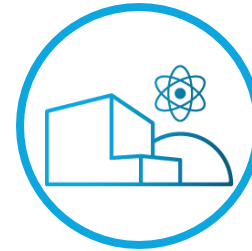
Nuclear Sector: Office of the U.S. Nuclear Waste Negotiator



Wind Sector: Urban Turbine Installation in Milwaukee



Solar Sector: Spotsylvania Solar Energy Project



Petrochemical Manufacturing Sector: The Sunshine Project



Biology Sector: Biosafety Level 4 Facilities: National Bio and Agro-Defense Facility at Kansas State University



Mining Sector: Western Vanadium and Uranium Mill



# COMPLETED CASE STUDIES

- **Nuclear Sector:** Office of the U.S. Nuclear Waste Negotiator
- **Biology Sector:** National Bio and Agro-Defense Facility at Kansas State University
  - Biosafety Level 4 Facilities
- **Solar Sector:** Spotsylvania Solar Energy Project
  - Spotsylvania County, Virginia –  
“Largest solar facility east of the Rockies”



# BIOLOGY SECTOR: BIOSAFETY LEVEL 4 FACILITIES

## Facility Details

- National Bio and Agro-Defense Facility at Kansas State University
- One of 13 BSL-4s in the United States
- Funded by U.S. Department of Homeland Security and is operated by U.S. Department of Agriculture
- First U.S. laboratory with BSL-4 livestock space

## Key Lessons Learned

- Public comments on environmental impact statement were considered prior to decision-making
- Kansas State University management made a point of answering any and all questions/comments from Kansas community members
- Significant personal attention was paid to all communities being evaluated; much more attention was paid to opponents than advocates
- Flexibility and adaptability in communications and messaging are important



# NUCLEAR SECTOR: OFFICE OF THE U.S. NUCLEAR WASTE NEGOTIATOR

- The Office of the Nuclear Waste Negotiator was established by the 1987 Amendments to the Nuclear Waste Policy Act of 1982 as an independent establishment in the executive branch
- Began operations in 1990; Ended operations in 1995
- First attempt in United States at developing a voluntary nuclear waste siting process to identify location(s) for an interim or permanent nuclear waste storage facility
- Mandate similar to current consent-based siting effort at DOE

## Key Lessons Learned

- A consent-based siting program should be adaptive to changes in policy, politics, culture, society, funding
- It is essential to initially identify a specific benefit(s) to a community even at early expressions of interest
  - It is easy to oppose the idea of facility on principle and fear, but it is more challenging to generate opposition to specific community benefits
- Developing a balanced siting process that is locally driven while also gaining support from state level leaders is critical

# SOLAR SECTOR: SPOTSYLVANIA SOLAR ENERGY PROJECT

## Facility Details

- Producing 617 MW of solar energy, the facility is fifth largest solar project in the country
- Largest utility-scale solar facility built on the East Coast
- Spotsylvania County, Virginia, a mixed suburban and rural landscape roughly 65 miles from the major urban centers of Washington, D.C. and Richmond, Virginia

## Key Lessons Learned

- Community feedback
  - sPower received at least 100+ questions and made it a point to respond to all questions, providing documents, maps, white papers; aim to make sure community members had the correct information
  - sPower created a ‘green ground force’
    - Organized supporters around the central benefits of renewable energy including environmental benefits, jobs, and other economic benefits



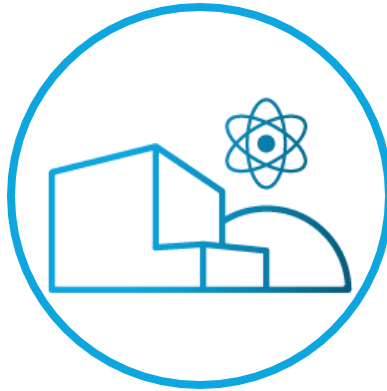
# FURTHER CASE STUDIES FY23



## **Wind Sector**

Urban Turbine Installation in Milwaukee

- Large urban center location



## **Petrochemical Manufacturing Sector**

The Sunshine Project

- St. James Parish, Louisiana - Slated to be one of the world's largest petrochemical manufacturing plants



## **Mining Sector**

Western Vanadium & Uranium Mill

- Green River Industrial Park, Utah - Would be the second uranium mill in the United States



# THANK YOU

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