Where to Start? Webinar for Energy Communities Starting a Transformation

We will begin shortly!

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Where to Start?
Webinar for Energy Communities
Starting a Transformation

Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization

Brian J. Anderson, Ph.D.
Executive Director, Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization

Briggs M. White, Ph.D.
Deputy Executive Director

November 2021
Question 1: Where in the U.S. are you joining us from and/or is your work focused?

- Appalachian Region
- Illinois Basin
- Mid-Continental Gulf Coast
- Northern Rocky Mountain
- Four Corners
- Alaska
- Other (put in chat)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
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</table>
| 1:00 – 1:10 p.m. | **Welcome & Opening Remarks**  
Brian J. Anderson, Executive Director, Energy Communities IWG & Director, NETL |
| 1:10 – 1:40 p.m. | **Where to Start**  
Jon Grosshans, Environmental Protection Agency  
- Guiding principles and challenges addressing change  
- How to get started  
- Leaders and partnerships  
- Issues and questions to consider  
- Scenario planning for community change  
- Measuring success  
- Lessons learned  
- Where to find capacity assistance, locally, state level, federally |
| 1:40 – 2:10 p.m. | **Lessons Learned & Best Practices**  
Spoon River College, Canton, Illinois, Curt Oldfield  
Foundation for Appalachian Kentucky, Gerry Roll |
| 2:10 – 2:30 p.m. | **Q&A** |
| 2:30 p.m.       | **Formal Program Concludes** |


Submit Questions in Chat

All attendees muted.

Send topic questions in Chat to all Panelists by clicking the chat icon on the bottom right of screen.

Send technical assistance questions in Chat to Host.
Final Reminders

Slides, webinar recording, and resources will be posted to EnergyCommunities.gov and sent by email.
Revitalizing Coal and Power Plant Communities

Revitalizing America’s Energy Communities
Prioritizing Those Most In Need of Support

- Identified **25** priority Energy Communities
- Coal communities identified as immediately challenged
- Additional analyses forthcoming

Figure 2 in the report. The IWG recommends focusing initial federal investments in areas with high concentrations of coal-dependent jobs.
Investing With Urgency for Near- and Long-Term

$38B
in potential funding

$2B
awarded thus far

COORDINATE

CATALYZE

TARGET

The Looney Ridge mine in Wise County, VA
Getting More Funds, To More Places, More Quickly

- Upgrade Infrastructure
- Clean Up Environmental Damage
- Promote Entrepreneurship
- Support Workforce Development
Sharing Information: IWG Website & Social Media

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Getting Involved: Calls to Action

☑ Stakeholder engagement opportunities
  ✔ Sign up at new website/follow social media
  ✔ Attend webinars and workshops

☑ Support coalitions and matching funds

☑ Provide input on priority IWG workstreams
  ✔ Stakeholder Engagement
  ✔ Targeting Federal Investments
  ✔ Capacity-Building/"One-Stop Shop"
Where to Start? Webinar for Energy Communities Starting a Transformation

**Question 2:**

What is the top challenge you are currently facing with regards to your community’s transition?
Where to Start?
Webinar for Energy Communities
Starting a Transformation
Energy Transition - Why now?

1. Announced Retirements
2. Energy Generation Plans
3. Accelerating Trends
4. Federal Coordination
5. Available Resources
6. Additional Support
Planned Retirements

U.S. annual coal-fired electricity generation capacity retirements (2011-2025)
gigawatts

retired as of June 2020  planned for retirement

Source: U.S. Energy Information Administration, Preliminary Monthly Electric Generator Report
Consumers Energy plans to complete coal phaseout by 2025

John Fleisher
Published 3:50 p.m. ET Jun. 23, 2021

TRAVERSE CITY — Consumers Energy said Wednesday it would stop burning coal to generate electricity by 2025, relying instead on natural gas and renewable energy sources in a push to continue reducing its planet-warming carbon emissions.

The Jackson-based utility, which provides power or gas to homes and businesses across Michigan’s Lower Peninsula, said ending its coal use 15 years earlier than previously planned was part of a long-term strategy to produce energy in a more environmentally friendly way.
Acceleration of Energy Trends

List of Coal-Plant Closures Is Growing Quickly
Capacity of retirements and conversions tracked by IEEFA
80 gigawatts

<table>
<thead>
<tr>
<th>As of: March 2020</th>
<th>July 2021</th>
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<tbody>
<tr>
<td>Closing between 2021–30</td>
<td>37.4 GW</td>
</tr>
<tr>
<td>Closing between 2031–40</td>
<td>13.7 GW</td>
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Sources: Company announcements; IEEFA research
Focus on People
Workers, Neighborhoods, Communities
Focus on Connecting People to Resources

Workers, Neighborhoods, Communities

Federal Assistance

Executive Order 14008 of January 27, 2021

EMPOWERING WORKERS THROUGH REVITALIZING ENERGY COMMUNITIES

White House Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization
Focus on People in Places

Workers, Neighborhoods, Communities

Figure 3. Map indicates coal mine and power plant closures from 2005–2020.
Initial Steps in Revitalization

Getting Started

Utility

Example

Menu

Overview

Step 1

About
Community – Utility Relationship

01 Government-Utility Communications
Not a one-time conversation
Multiple dialogues over time

02 Power Plant Closure Details
Site Decommissioning
Job Transitions
Financial Impacts
Potential Energy Reuse and/or Disposition

03 Site Planning and Infrastructure Analysis
City/County Point of Contact
University Technical Assistance
Redevelopment Planning
Zoning and Ordinances

Community – Utility Relationship
Community – Utility Relationship

- Mayor, City Manager, County Board, City Council
  - Public Works Director
    - Streets
      - Utilities
    - Planning/Economic Development Director
    - Environmental Director
      - Brownfields
    - Outreach and Engagement
  - Neighborhood Planner
  - Zoning
  - CEO, Director, Board Members
    - Power Generation
      - Fossil Fuel
      - Renewables
    - Power Distribution
    - Support Services
    - Intergovernmental
      - Asset Disposition
      - District Representative
  - Streets
  - Utilities

# Power Plants Decommissioning and Redevelopment: Phased Approach

<table>
<thead>
<tr>
<th>Decommissioning</th>
<th>Remediation</th>
<th>Redevelopment</th>
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<tbody>
<tr>
<td>• Closure planning, including safety engineering survey and asset inventory; legal notices</td>
<td>• Environmental assessment</td>
<td>• Demolition or renovation of existing structures</td>
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<tr>
<td>• Equipment shutdown, cleaning and removal or sale</td>
<td>• Removal of hazardous chemicals and wastes</td>
<td>• Infrastructure improvements or alterations</td>
</tr>
<tr>
<td>• Electrical switchyard and plant power reconfiguration</td>
<td>• Permit applications and closures, remedial plan development and regulatory review</td>
<td>• Architectural planning</td>
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<tr>
<td>• Security enhancements (fences, gates, lighting)</td>
<td>• Public outreach and public involvement</td>
<td>• Construction of new buildings and spaces</td>
</tr>
<tr>
<td>• Removal of surplus coal, oil and process chemicals</td>
<td>• Closure and cleanup of waste management units (ash pits or ponds)</td>
<td></td>
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Transition Phases

Step 1

Station Closure

Mineral Staffing
Vacant Status
Environmental Stabilization
Redevelopment Concepts

Decommissioning

Generating Units Coming Offline
Worker Transition
Site Staging and Evaluation

Revitalization Underway

Site Disposition
Site Redevelopment Planning
Environmental Cleanup
Demolition and Construction

Impact Analysis
Engagement
Early Site Planning

Pre-Closure Notification
Pre-Closure Activities

- Power Generation Plan
- Job Transition Plan
- Host Community Plan
- Shutdown and Decommissioning Plan
- Disposition Strategy
- Financial Impact Analysis
- City/County Point of Contact
- Site Redevelopment Planning - Phases
- Zoning and Ordinance Updates
- Demolition Planning
- Community Transition/Revitalization Committee
- University Architecture, Planning or Engineering Team
- Foundation Engagement
- Commercial Redevelopment Roundtable
- Public Engagement
- Pre-Closure Activities

Example of Pre-Closure Activities:

- Power Generation Plan
- Financial Impact Analysis
- City/County Point of Contact
- Site Redevelopment Planning - Phases
- Zoning and Ordinance Updates
- Demolition Planning
- Community Transition/Revitalization Committee
- University Architecture, Planning or Engineering Team
- Foundation Engagement
- Commercial Redevelopment Roundtable
- Public Engagement
BROWNFIELD / ENVIRONMENTAL STATUS
The site has been established as a brownfield based on the presence of the potential presence of contamination to exist on the site from prior uses.

WILLING LAND OWNER
The availability of the site for sale or the willingness of the site’s current owner to participate in the planning process.

MARKET AND ECONOMIC FEASIBILITY
Understand realistic projections and opportunities for the site based on current and future economic market trends.

SITE CONTEXT
Is the site located in an area of strategic importance where its redevelopment could have the most impact?

FEEDBACK FROM PUBLIC
Which sites does the public see as the highest priority locations? Are there other sites that should be considered?
Former Ottawa Street Power Station

Lansing, Michigan
Mitchell Power Station
Cromby Generation Station
Sunbury Generation Power Plant
Robena Redevelopment

Funded by the U.S. EDA’s POWER initiative.
Brownfields Support Available

- EPA’s Brownfields Program offers several resources that can assist communities struggling with brownfield assessment, cleanup, or redevelopment.
  - EPA’s Targeted Brownfields Assessment (TBA) technical assistance is available to promote environmental investigation and/or reuse planning.
    - Available through EPA’s 10 Regional Offices
  - EPA’s Land Revitalization Program helps communities turn challenging collections of brownfield sites into productive, sustainable, and safe properties.
    - Coal plant reuse and redevelopment tools: https://www.epa.gov/land-revitalization/land-revitalization-coal-plant-reuse-and-redevelopment
  - EPA’s Brownfields Program provides competitive grants for brownfields assessment, cleanup, revolving loans, and environmental job training.
    - Workforce Development Grants announced on March 11, 2021 (approx. $3.3 million distributed among 18 communities).
    - Multipurpose, Assessment, and Cleanup grants open for applications in Fall 2021.

- For more information on EPA’s Brownfields grants and technical assistance programs: https://www.epa.gov/brownfields
Takeaways

https://energycommunities.gov/funding-opportunities/
Lessons Learned & Best Practices

• Spoon River College, Canton, Illinois
  Curt Oldfield

• Foundation for Appalachian Kentucky
  Gerry Roll
Overview

• Spoon River College is a rural serving community college in west central Illinois (orange box)
  ~13 % poverty rate
  ~8 % unemployment rate
• Vistra Energy closed two coal fired power plants in our Community College District in December 2019
  Duck Creek (Canton)-- 441 MW
  Havana—488 MW
• Over 300 employees impacted and a reduction of property tax associated with power plant evaluation
Timeline and Response

• Impacted communities and stakeholders were notified in late August 2019 with closure in December 2019
• Spoon River College partnered with Regional Workforce Investment Board (RWIB) to develop a rapid response for workers
• Met with workers on all 3 shifts 4 different times
• Evaluated current education and training
• Discussed career goals and aspirations, held employer hiring fairs, college open houses, connected with community resources
Results

• ~60% of the work force transferred/bumped to another power plant in IL represented by IBEW.
  • This creates a challenge with future power station closings
• ~20% of the work force enrolled in a Community College or University to upskill or change careers.
  
  
  Commercial Driver Training     Teaching     Welding
  
  Nursing/Health    Diesel Repair    CNC programs

• ~5% of the work force started their own business
• ~15% retired, moved out of state, or unemployed
Needs and Future Considerations

- **Time**
  - More advanced notice to employees to help upskill, relocate, or start educational pathway

- **Funds**
  - Not only severance packages, but long term educational funding for non traditional students with families
  - Consider impact on families and college age students of impacted employees

- **Improve employee training record keeping**
  - Employees should have easy/portable access to all earned industry credentials

- **Replace or Reduce Property tax implications on impacted taxing bodies**
Contact Information

Curt Oldfield
President
Spoon River College
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309-649-6200
Our Vision:

Appalachian Kentucky thriving at its fullest potential.
Community foundations connect people to resources. When we meet people working to make their community better, we help them make a plan to do it.

Our approach is to meet communities where they are instead of molding them to work how we think they should. Because, at the end of the day, we believe that investing in the people rooted in communities is the way to make them better.
We Do 3 Things:

• Community Building
• Capacity Building
• Asset Building
Questions?

Gerry Roll, Chief Executive Officer

gerry@appalachianky.org  |  www.appalachianky.org
Tell Us How We Did and How to Best Serve You

Question 3:

1. Overall, how would you rate today’s webinar?
2. What did you find most helpful about today’s webinar?
3. What topics would you like to see addressed in future IWG webinars?
4. What additional support do you need to successfully pursue federal funds?
Thank you!

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