

Solar Energy Development

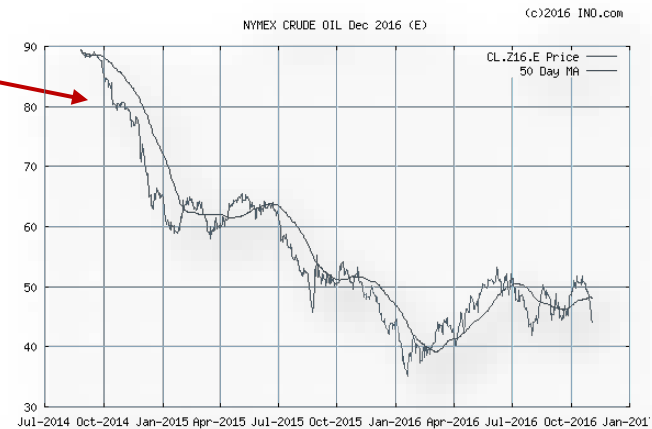
Community Stakeholder Responsibilities



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Energy Market Trends

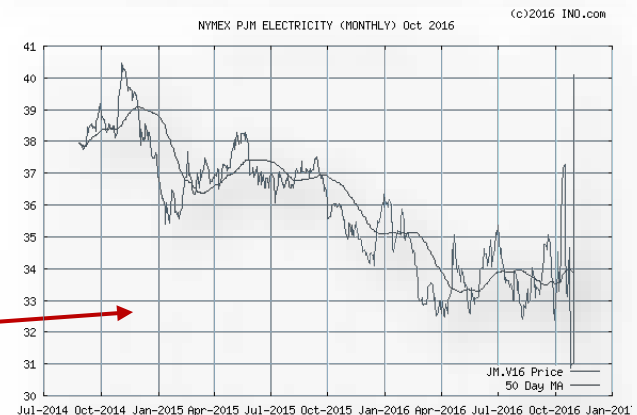
Crude Oil



Natural Gas

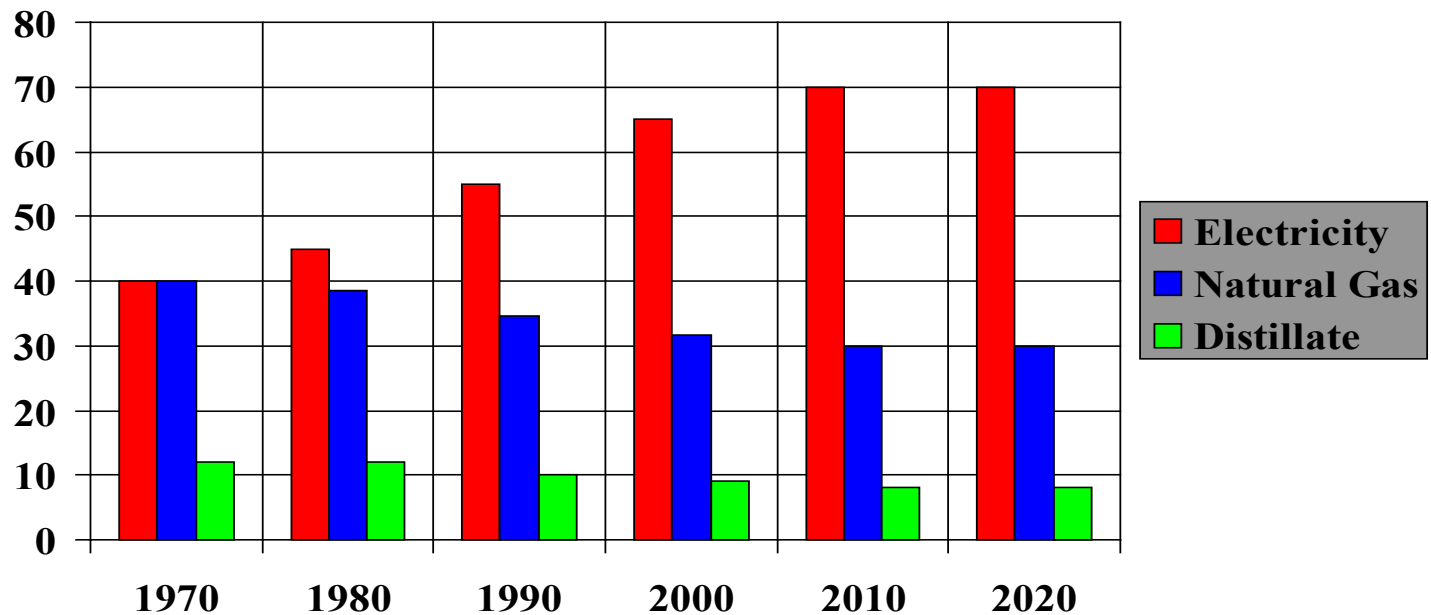


Electric Generation

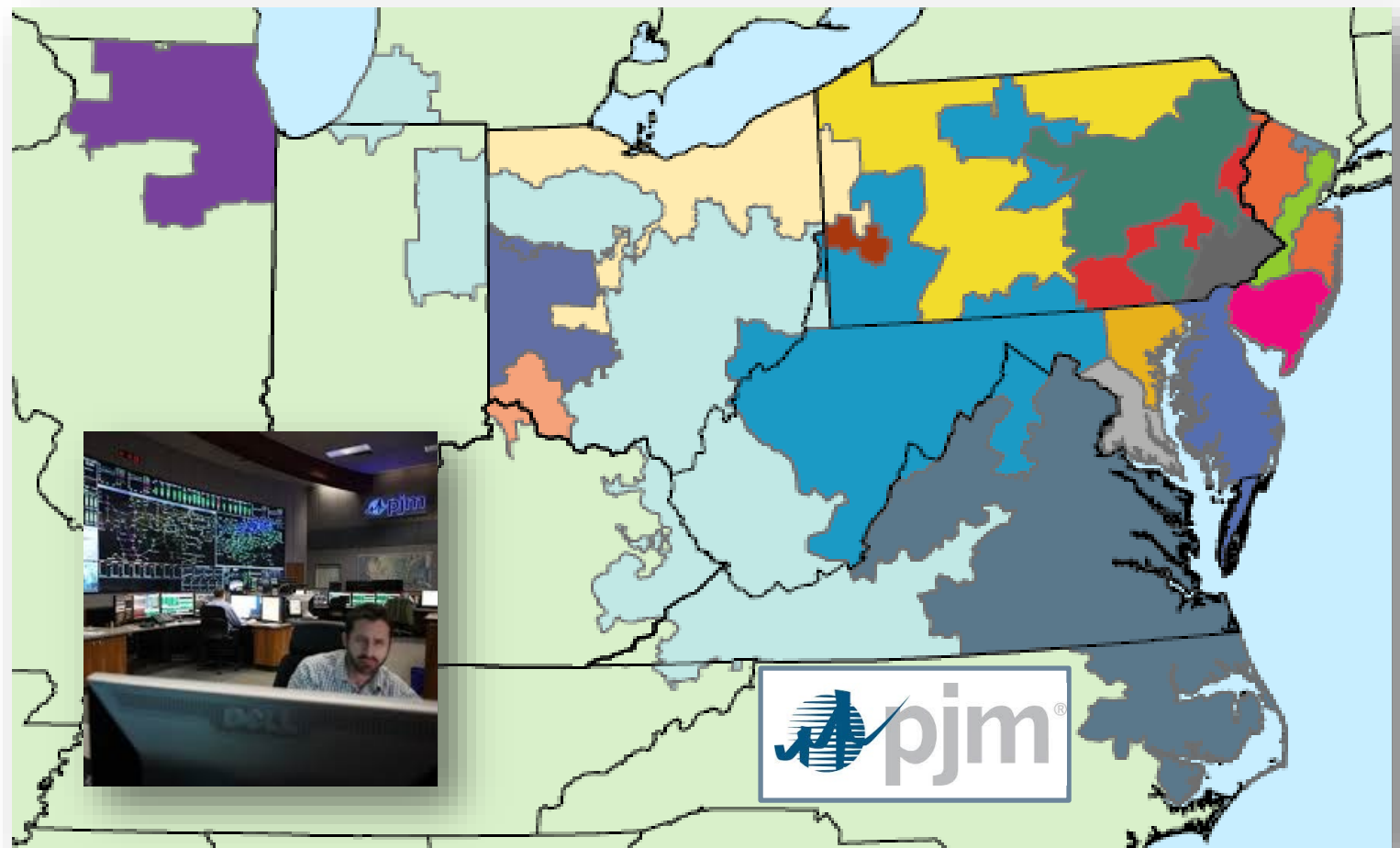


Energy Market Trends

Agricultural Energy Consumption MMBtu's Consumed by Fuel Source 1970-2020

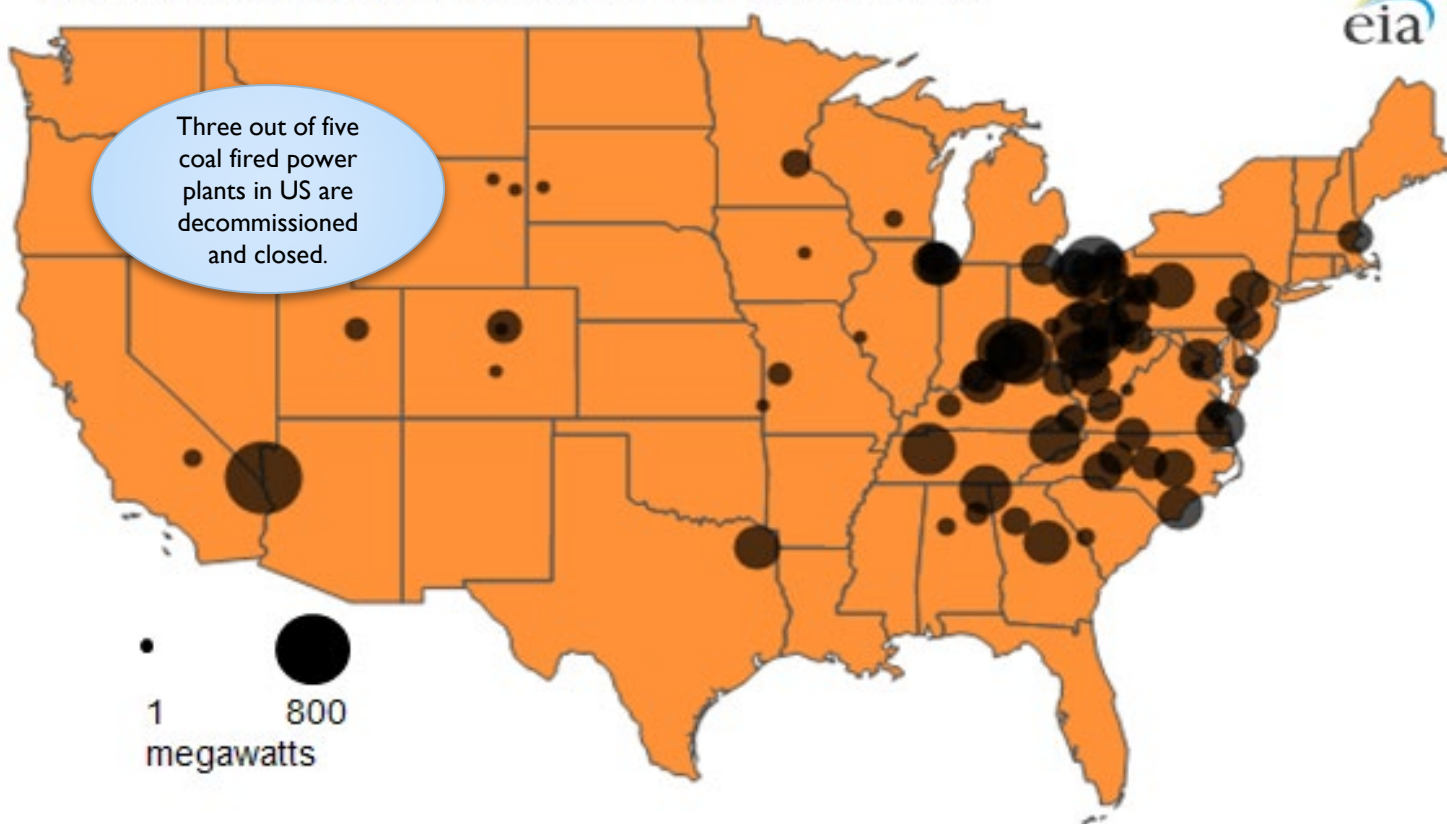


Energy Market Trends



Energy Market Trends

Reported Coal-fired generator retirements, 2012 - 2016



Energy Market Trends

Ohio Power Plants - Closed

Name	Capacity	Owner	Type
Ashtabula Power Plant	244	FirstEnergy	Coal
E.M. Poston Power Plant		AEP	Coal
Eastlake Power Plant	1257	First Energy	Coal/NG
J.M. Stuart Station	2318	AES/DPL Inc., Dynegy, and AEP	Coal
Killen Station	618	AES/DPL Inc. Dynergy	Coal
Lake Shore Power Plant	245	FirstEnergy	Coal
Muskingum River Power Plant	1375	AEP	Coal
O.H. Hutchings Station	414	AES/DPL Inc.	Coal
Philo Power Plant	510	AEP	Coal
Picaway Power Plant	220	AEP	Coal
R.E. Burger Power Station	568	FirstEnergy	Coal
Richard H. Gorsuch Station	200	AMP - Ohio	Coal
Tait Power Station	586	AES/DPL Inc.	Oil/NG
Toronto Power Plant		First Energy	Coal
W.C. Berkjord Power Station	1304	Duke, AES/DPL, AEP	Coal



Energy Market Trends

Ohio Power Plants - Operational

Name	Capacity	Owner	Type
Avon Lake Power Station	680	NRG Energy	Coal
Bowling Green	20	NextEra	Solar
Napoleon	4	AMP - Ohio	Solar
Gavin Power Plant	2640	Gavin Power LLC	Coal
W. H. Sammis Power Plant	2233	FirstEnergy	Coal
Cardinal Power Plant	1800	Buckeye Power REC	Coal
Conesville Power Plant	1375	AEP, AES/DPL	Coal
Hanging Rock	1430	Dynegy	NG
Lordstown	940	Clean Energy Future, LLC AEP	NG
Perry	1231	FirstEnergy	Nuclear
Miami Fort Power Station	1020	Dynegy	Coal
Kyger Creek	1086	OVEC	Coal
Oregon Clean Energy Center	908	Ares Management	NG
Rolling Hills	865	Rolling Hills Generating	NG
Waterford Energy Center	821	Waterford Power, LLC	NG

Plants Scheduled to Close by 2021 in Red



Energy Market Trends

Ohio Power Plants - Operational

Name	Capacity	Owner	Type
Carroll Energy Center	700	Advanced Power	NG
Washington Energy Facility	620	Dynegy	NG
Darby	480	Darby Power, LLC	NG
Middletown Energy Center	475	NTE Energy	NG
Davis-Besse	889	FirstEnergy	Nuclear
West Lorain	545	FirstEnergy	NG
Robert P. Mone	510	Buckeye Power REC	NG
Fremont	707	AMP-Ohio	NG
Dresden	580	AEP	NG
Wyandot	12	PSE Group	Solar
Madison Peaking Station	677	Dynegy	NG
Blue Creek	350	Iberdrola Renewables	Wind
Timber Road	99	EDP Renewables	Wind
O'Shaughnessy Dam	5	City of Columbus	Hydro




Plants Scheduled to Close by 2021 in Red



Solar Technology



Project Status

-  Under Construction
-  Approved
-  Pending



US DOE-EIA Website: atlas.eia.gov



Diversified Projects...



System Development

- Software Deployment
- Lighting Technology
- HVAC Upgrades
- Insulation & Sealing
- Aggressive DSM/EE Policy



Farm Bureau Policy

Energy Development - OFBF supports energy development efforts that involve the project developer, utilities, regulatory agencies, government at the local, state and federal levels, economic development authorities and community groups.

These efforts should focus on creation of projects that address environmental concerns, consider aesthetic needs and provide economic benefits to landowners and the community.



Farm Bureau Policy

Wind & Solar - OFBF supports Ohio Power Siting Board rules, regulations, stipulations, orders and amendments that provide landowner friendly, reasonable and uniform statewide procedures for siting, placement, construction and operation of utility-scale wind and solar farms.

Everyone needs to be heard; and everyone needs to recognize their civic responsibility to be engaged in this process.



Planning and Involvement

Discussion, Outreach and Action

Coordination with the developer, local government, regulatory agencies, economic and regional development commissions, and community groups.

Project development that addresses environmental concerns, considers aesthetics and provides economic benefits.



Planning and Involvement

Action

Creation and development of utility scale and on-site projects that address environmental concerns considers aesthetic needs and provides economic benefits.



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