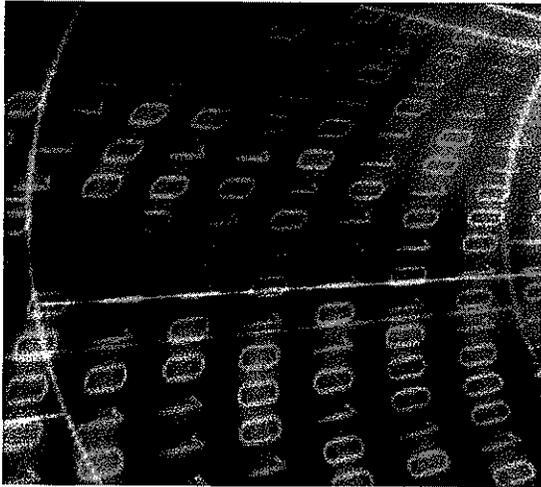




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# Powerpedia

---

Empowering Collaboration Across DOE



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Context

## Powerpedia:

Is DOE's Internal wiki

Compliments official content

Is collaboratively built by all of us

Uses the same software as Wikipedia

Uses the same software as OpenEI.org



[http://en.wikipedia.org/wiki/File:HNL\\_Wiki\\_Wiki\\_Bus.jpg](http://en.wikipedia.org/wiki/File:HNL_Wiki_Wiki_Bus.jpg)

One tool helping to enable a “social enterprise”

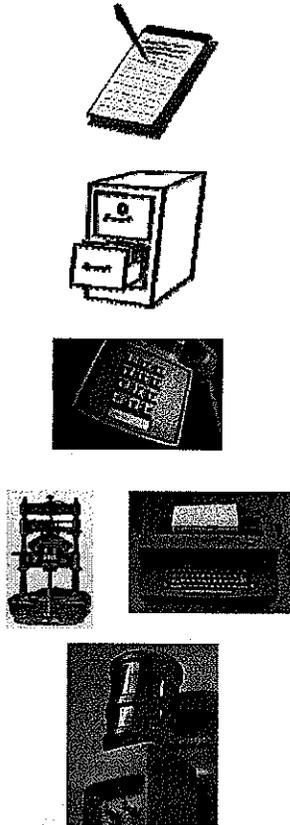


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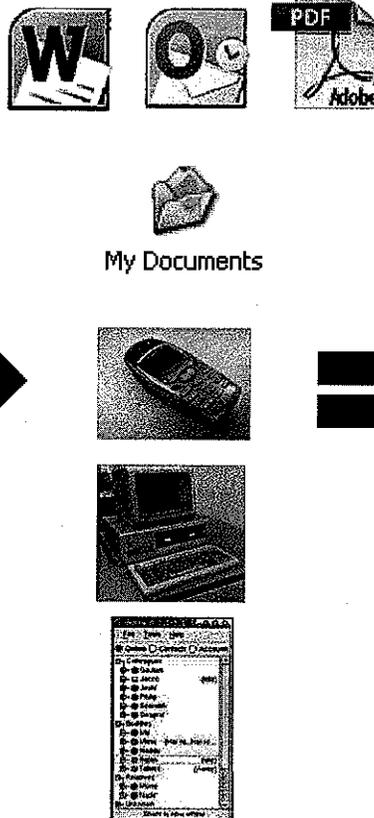
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# A Social Enterprise?

## 1440 to 1990



## Circa 1990-2007



## 2007 - ?

A flow that connects people and information



Photo attributions on last page

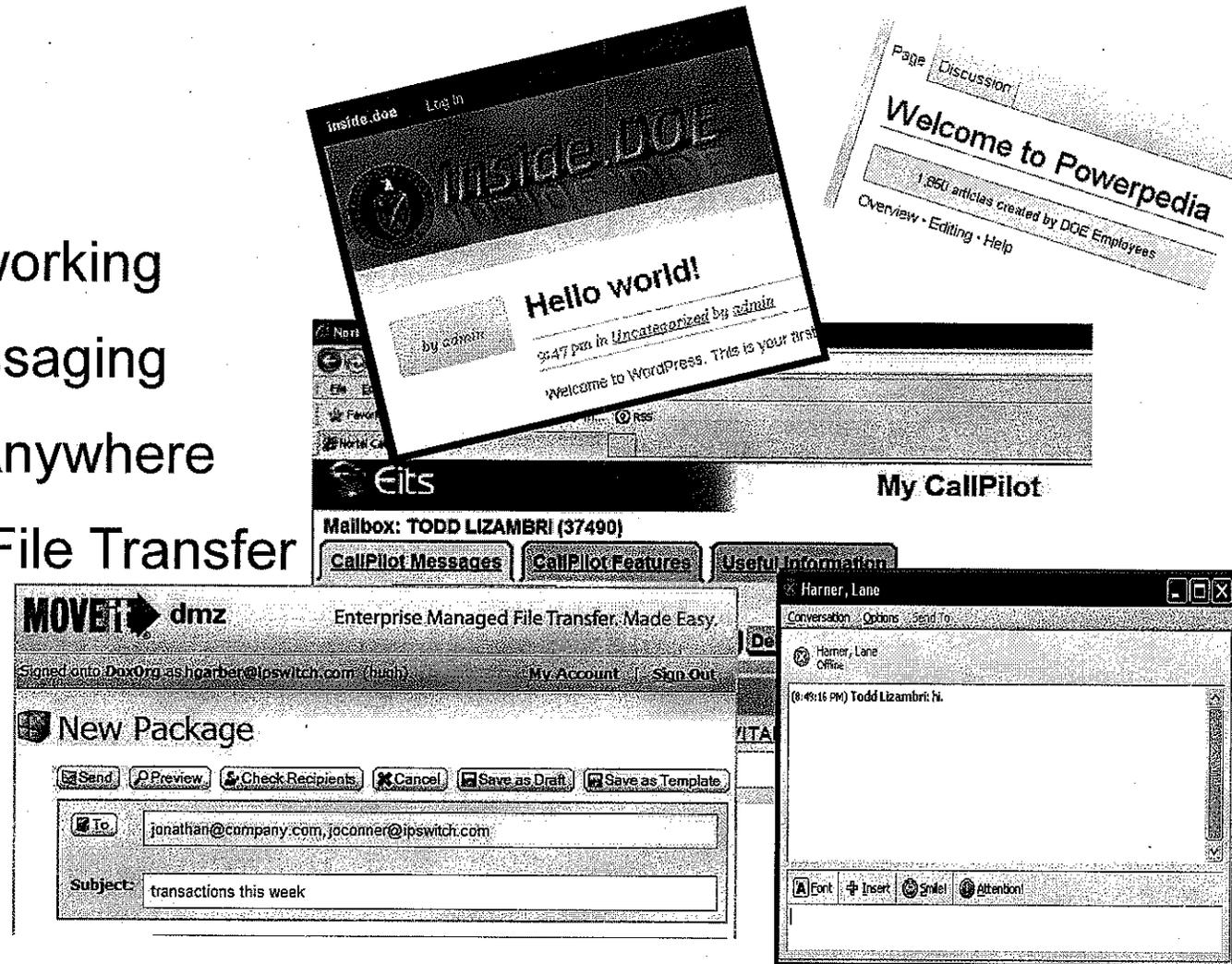


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# Inside.DOE

- Wikis
- Blogs
- Social Networking
- Instant Messaging
- Voicemail Anywhere
- Enterprise File Transfer
- Wi-Fi





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# Powerpedia's Audience

- Non-public
- Non-sensitive
- Staff and contractors
  - Primarily HQ currently
    - See "Who can access Powerpedia" on Powerpedia for full discussion
  - Goal to expand to Labs, M&Os, and Power Administrations
    - Policy and technical discussions ongoing to make this happen



# Powerpedia as an Aggregator

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## Utility bill access

Studies indicate that homeowners who have direct feedback on their energy their total consumption.<sup>[1]</sup> There are a number of approaches to capturing er to feed it back to consumers on a time scale that is faster than normal mont summarizes key approaches and gives examples of projects/companies us

### Contents [hide]

- 1 Direct utility information collection
- 2 Public housing utility information collection
- 3 Online billing proxy
- 4 Utility-sponsored bill monitoring
- 5 Publicly available utility-sponsored consumption data
- 6 Billing business process outsourcers
- 7 Hardware installation
- 8 Advanced Meters (a.k.a. Smart Meters)
- 9 References

### Direct utility information collection

Efficiency programs such as the Weatherization Assistance Program have c information in their evaluations. Generally, this information is obtained by dire

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## Building retrofit studies

This page tracks studies that have been conducted on the costs and benefi programs. These "studies" include reports from utilities to PUCs; national la and others. The goal of tracking these studies is to better understand what i residential retrofits in real-world conditions.

### Studies

The following studies include, at a minimum: (a) clear information on the co information on savings of at least one fuel from retrofits, based on utility billin number of homes.

Author	Year	Control number	Title
Mariam Goldberg/U. Wisconsin	1986	BRS-075	A Midwest Low-income Weatherization Seen through PRISM
Mark Ternes/ORNL	1988	BRS-081	Field Test Evaluation of Conservation R Low-Income Single-Family Buildings in Wisconsin: Summary Report
Dennis		BRS	Electricity Savings Among Participants



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## Mobile FAQ

This page is a page of **Frequently Asked Questions** for Mobile access of Powerpedia.

Problems viewing this page on your mobile device and the FAQs below don't help resolve the problem? Please report the issue:

### Contents [hide]

- 1 Which models do/don't work
  - 1.1 How do I find my model number?
  - 1.2 Models that do work
  - 1.3 Models currently experiencing problems
  - 1.4 Known Issues
- 2 Why are the side menus at the bottom?
- 3 Why am I getting a 504 Gateway Error?
- 4 I have a DOE Blackberry and am still getting a 504 Gateway error
  - 4.1 Configuring your Blackberry to use the "Blackberry Browser"
- 5 Why is the table of contents blank?
- 6 How can I create my own home page?
- 7 Other Devices

### Which models do/don't work

[edit]

### How do I find my model number?

[edit]

Go to the main menu and then to "options" and then "about". The Options icon will either look like a wrench or a equalizer bar. This Google Search will show you a number of screen shots of the Options icon on Blackberries



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## DOE Strategic Plan

(Redirected from Strategic Plan)

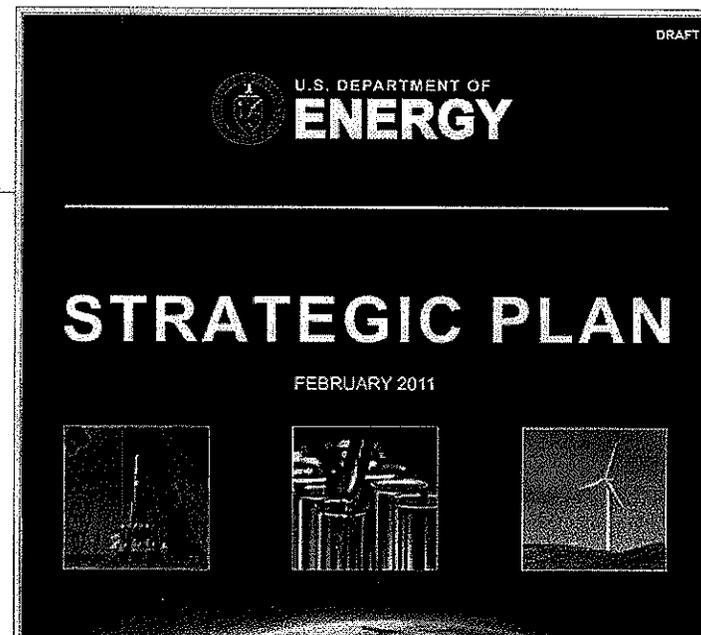
**The Fiscal Years 2011-2016 Draft Strategic Plan is posted for comment. Download here: draft Strategic Plan Link**

The draft Strategic Plan Link has been released by Secretary Chu for comment as of February 23, 2011. Please submit comments by 3/26/2011 to [strategicplan@hq.doe.gov](mailto:strategicplan@hq.doe.gov)

### History of DOE Strategic Plans [edit]

Archives of all DOE Strategic Plans are available through this link and through the links below.

- Department of Energy Strategic Plan 1994 (PDF) - The Secretary of Energy, Hazel R. O'Leary, issued the first DOE Strategic Plan, *Fueling A Competitive Economy* (DOE/S-108), on April 5, 1994.
- Department of Energy Strategic Plan 1997 (PDF) - The Secretary of Energy, Federico F. Peña, issued the second DOE Strategic Plan, *Providing America with Energy Security; National Security; Environmental Quality; Science Leadership* (DOE/PO-0053), in September 1997.





# Powerpedia with Embedded Media

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## Is the Energy Race our new "Sputnik" Moment?

(Redirected from: Sputnik Moment)

Is the Energy Race our new "Sputnik" Moment? by Secretary Chu, National Press Club, Washington, D.C., 29 November, 2010 (watch the presentation )

- 1) Innovation adds to the wealth of society
- 2) Science and technology R&D lie at the heart of innovation
- 3) Leadership in innovation cannot be taken for granted.

### Outcomes/press

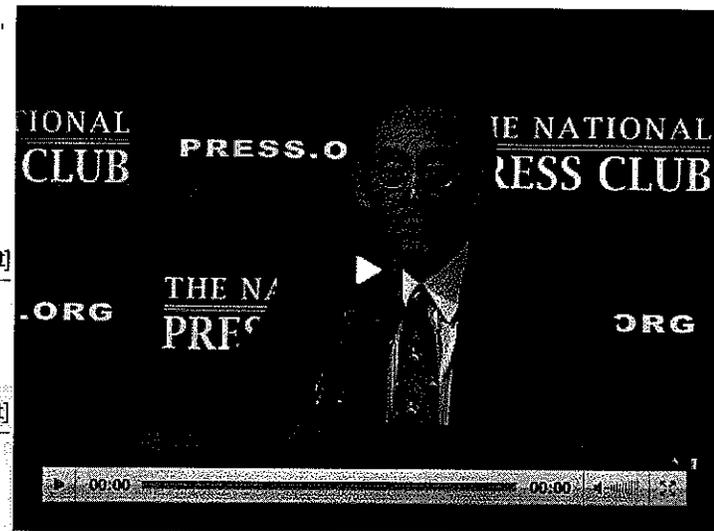
[\[edit\]](#)

- Obama Warns of a new Sputnik Moment - 12/8/2010 in Washington Post

### Links

[\[edit\]](#)

- [Presentation on YouTube](#)
- [The presentation in PPT format](#)
- [the presentation in PDF](#)



Category: Presentations



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## New Media @ Energy

The **New Media @ Energy** effort is driven by building relationships with three main audiences: the American public, DOE employees and key stakeholders such as press and the science and technology community. With that focus, the primary goals of New Media are as follows:

- amplifying the Department's message,
- promoting transparency and accessibility and
- providing services and engagement opportunities.

Contact the New Media team at [newmedia@hq.doe.gov](mailto:newmedia@hq.doe.gov)

### Contents [\[hide\]](#)

- 1 Elements of the Strategy
- 2 Roles and Responsibilities
- 3 Submission process
- 4 Approach
- 5 Related

### [blog.energy.gov](#) RSS Feed

- Demolishing Decay at the Hanford Site
- Clean Energy Action Star Governor Schwarzenegger to Keynote ARPA-E Energy Innovation Summit
- Racing Ahead in Automotive Education
- Students Learn about Wind Power First-Hand through Wind for Schools Program
- Geek-Up[2.18.2011]: Record-Setting Efficiency

### @Energy's RSS Feed

(See all mentions of @Energy on Twitter)

- Watch as the Hanford Site uses precise explosions to demolish a decommissioned Manhattan Project facility: <http://go.usa.gov/gEx>



# Powerpedia as a Connector

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## Solar power

**Solar power** is the conversion of sunlight into a useful form of energy, such as using photovoltaics or concentrating solar power to generate electricity.

### Contents [hide]

- 1 Total installed capacity
- 2 Total U.S. resource potential

### Breadcrumbs for **Solar power**

Solar power on Wikipedia

Solar power on OpenEI

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## Microsoft Office

**Microsoft Office** is a suite of office productivity tools including Word, Excel, PowerPoint, and Access. DOE headquarters has an Enterprise Agreement with Microsoft to allow individuals to procure Microsoft Office tools via the Microsoft Home Use Program

### Contents [hide]

- 1 Importing from Word to MediaWiki (the software powering Powerpedia)

### Breadcrumbs for **Microsoft Office**

official website

Microsoft Office on Wikipedia

Microsoft Office on IM Wiki



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# It's not a free-for-all

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## EnergyPlus

**EnergyPlus** (website) is a whole-building simulation engine. It calculates a building's energy use given a description of building geometry and materials, HVAC equipment, configuration, and settings, use schedules, and weather. Given an economic model, it can calculate the life cycle cost of a building. EnergyPlus can simulate many energy-efficient building technologies such as energy recovery heat exchangers, photovoltaic systems and radiant heating systems. EnergyPlus updates are released on a six month schedule. Version 20.11.0 was released on 11/11/2020.

EnergyPlus is used by many users and other applications primarily through ASCII text files. EnergyPlus can read building specifications from an IDF (Input Data Format) file. IDF is an object-oriented Building Description Language. EnergyPlus produces various textual reports in tagged-field, tabular, and HTML formats.

EnergyPlus development is funded by DOE and performed by a distributed team consisting of approximately twenty full-time and part-time developers at LBNL, NREL, PNNL, ORNL, and UFC/FSEC as well as several sub-contractors, most notably GARD Analytics. DOE contracts also fund user support and training.

The EnergyPlus executable is available freely for x86 platforms Windows, Mac, and Linux. Source code is available for purchase. The EnergyPlus codebase consists of 480,000 lines of FORTRAN 90 code. The regression suite contains 380 test buildings.

### History

[edit]

EnergyPlus is a successor to BLAST and DOE2, also developed by labs with DOE funding. BLAST (Building Loads Analysis and System Thermodynamics) calculates peak heating and cooling loads as well as annual energy consumption. DOE2 builds on BLAST and uses weather data and use schedules to perform hourly simulation. EnergyPlus extends DOE2 with sub-hourly simulation and support for many energy-efficient building techniques and technologies.

Discussion pages allow for dialog and debate

Get edit notifications



# Attribution of Edits

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## Revision history of "EnergyPlus"

View logs for this page

Browse history

From year (and earlier):  From month (and earlier):  Deleted only

No anonymous edits

Diff selection: mark the radio boxes of the revisions to compare and hit enter or the button at the bottom.

Legend: **(cur)** = difference with latest revision, **(prev)** = difference with preceding revision, **m** = minor edit.

- (cur | prev)  16:50, 24 January 2011 Jared.guyer (Talk | contribs | block) **m** (3,111 bytes) (undo)
- (cur | prev)  16:50, 24 January 2011 Jared.guyer (Talk | contribs | block) (3,110 bytes) (undo)
- (cur | prev)  16:44, 24 January 2011 Jared.guyer (Talk | contribs | block) (3,080 bytes) (undo)
- (cur | prev)  15:36, 28 September 2010 TheDoyen (Talk | contribs | block) (undo)
- (cur | prev)  13:38, 17 September 2010 Amir.roth (Talk | contribs | block) (undo)
- (cur | prev)  13:28, 17 September 2010 Amir.roth (Talk | contribs | block) (undo)
- (cur | prev)  15:21, 16 September 2010 Amir.roth (Talk | contribs | block) (2,859 bytes) (undo)
- (cur | prev)  15:19, 16 September 2010 Amir.roth (Talk | contribs | block) (2,859 bytes) (undo)

Changes are one click away

Every version saved and available



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# Change History

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## EnergyPlus

(Difference between revisions)

Revision as of 12:59, 16 September 2010 (edit)

TheDoyen (Talk | contribs | block)

(→Software programs that interface with EnergyPlus: wikify)

← Older edit

Revision as of 15:19, 16 September 2010 (edit) (undo)

Amir.roth (Talk | contribs | block)

Newer edit →

Line 5:

The EnergyPlus executable is available freely for x86 platforms Windows, Mac, and Linux. Source code is available for purchase. The EnergyPlus codebase consists of 480,000 lines of FORTRAN 90 code. The regression suite contains 360 test buildings.

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+ ==History==

+

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==Software programs that interface with EnergyPlus==

Line 10:

==Software programs that interface with EnergyPlus==

Line 13:

Text in red was added by Amir

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# Three Core Principles

## **PRINCIPLE**

---

Work at the broadest  
audience possible

Organize topically, not  
organizationally

Use new paradigms to  
replace existing processes

## **BENEFITS**

---

Don't repeat yourself

New insights find you

Leave a legacy

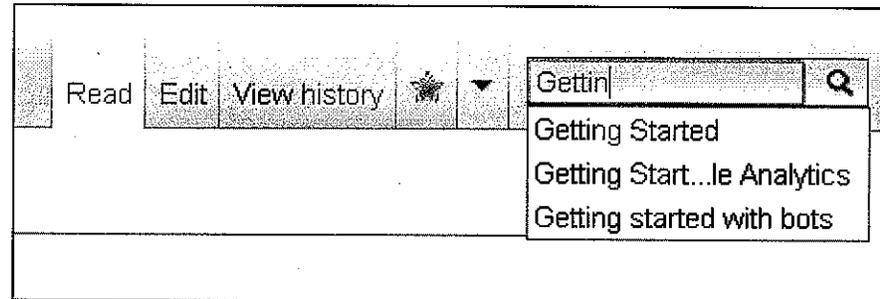


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## Learn More

- Training is available
  - Search for “Getting Started”
  - Person-to-person
  - Small groups
  - WebEx
  
- Contact us to arrange training
  - [wikiadmin@hq.doe.gov](mailto:wikiadmin@hq.doe.gov)
  - [Donald.burke@hq.doe.gov](mailto:Donald.burke@hq.doe.gov)





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## In Conclusion

- Powerpedia offers a **practical** and **easy** way for individuals and organizations at DOE to
  - Reach more people, more effectively and more efficiently
  - Work topically, not organizationally
  - Move away from share drives and email as stores of knowledge
  - Avoid duplicating content
  - Learn and explore collaboration tools in a safe environment



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