A New Wave of Google Applications

Pacific Northwest Section
American Water Works Association
Tacoma Washington - May 2010

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Clouds

What is a Cloud?

Wikipedia Will Tell Us That

Cloud computing is Internet-based computing, whereby shared resources, software and information are provided to computers and other devices on-demand, like a public utility.

http://en.wikipedia.org/wiki/Cloud_computing

Name that CLOUD

Cloud Computing

SOFTWARE AS A SERVICE

SOCIAL NETWORKING

INTERNET

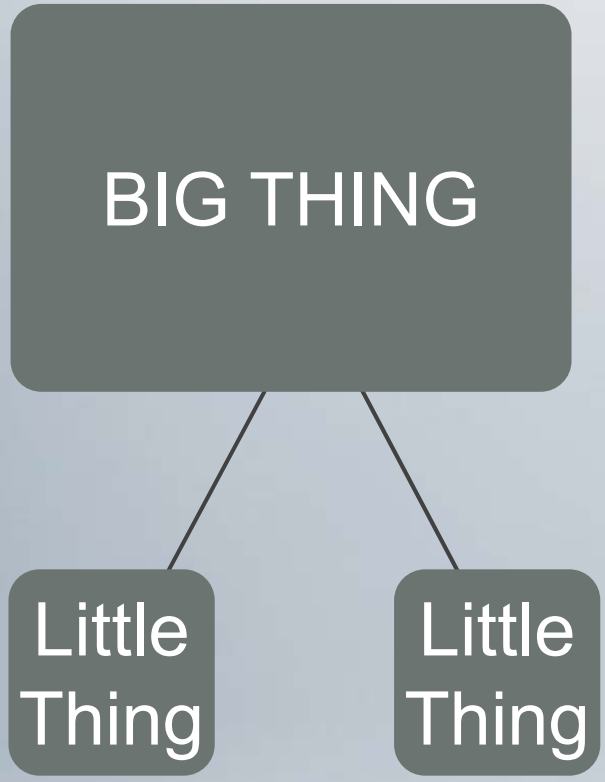
HOSTED APPLICATIONS

EXTRANET

CLIENT SERVER ARCHITECTURE

INTRANET

THE ORIGINAL CLOUD

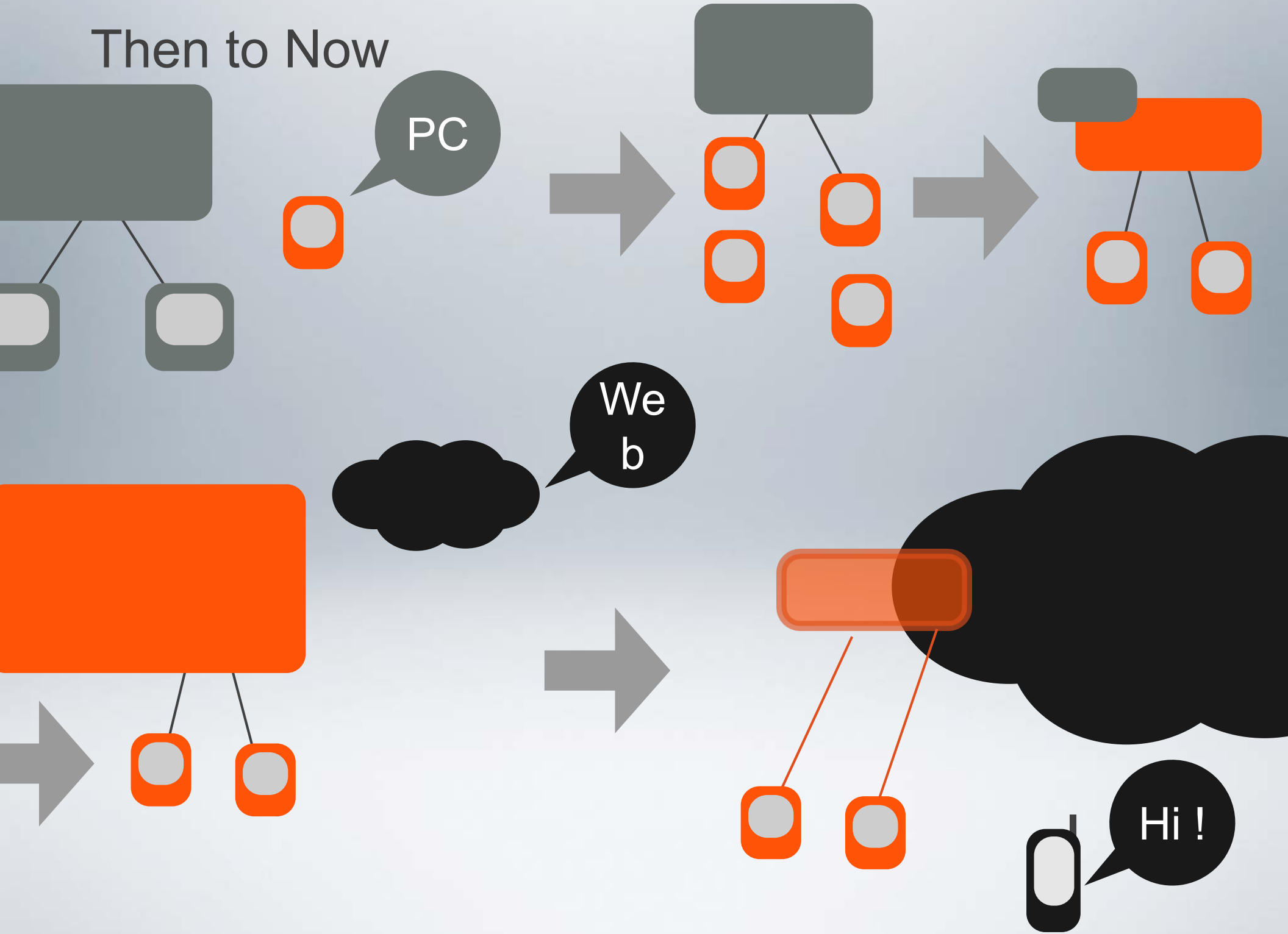


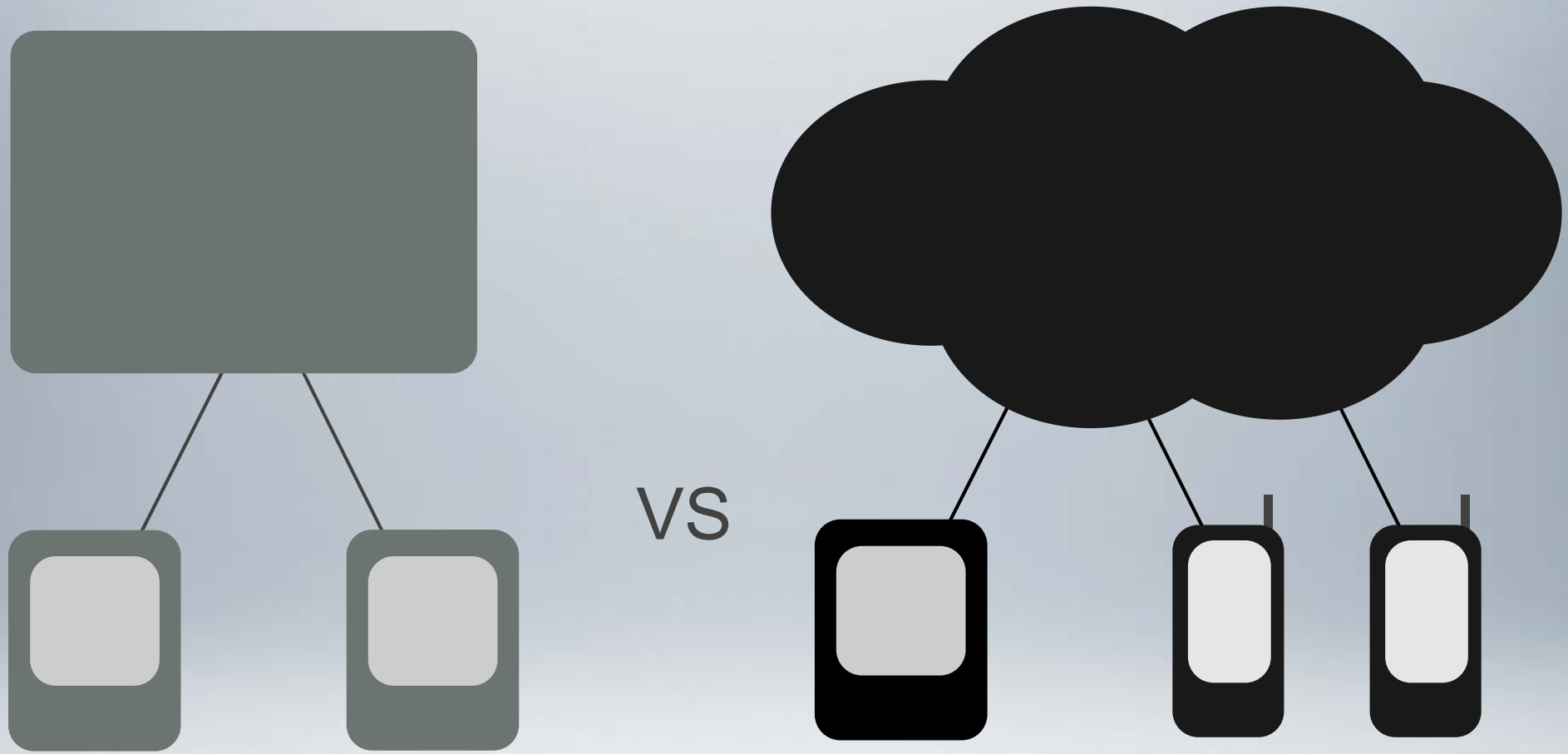
We Had These Big Things Called Main Frames

- Inventory Systems
- Financial Ledgers
- Employee Listings
- Messaging

The Little Things Were Simple

Then to Now





Did You Notice We Lost a Color?

IT TURNS OUT THE Experts are the Stupid ones

- “When folks need an elevator, we should give them an elevator, not an airplane. We’ve been giving them airplanes for 30 years, and then laughing at them for being too stupid to fly them right.” Ed Finkler, On Why Software Developers Should Not Dismiss Simple New Technologies

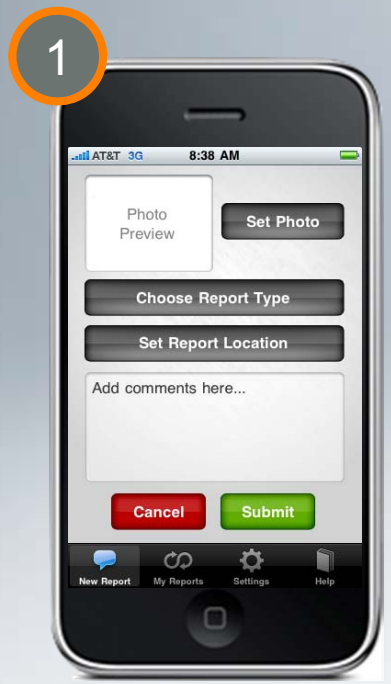
http://funkatron.com/site/comments/were-the-stupid-ones-facebook-google-and-our-failure-as-developers/

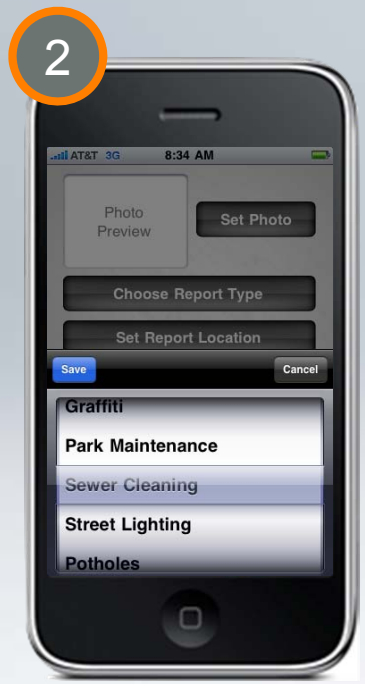
Expertise ≠ Ability

The ability for most people to do what they want with a computer is no longer tied to their experience using one

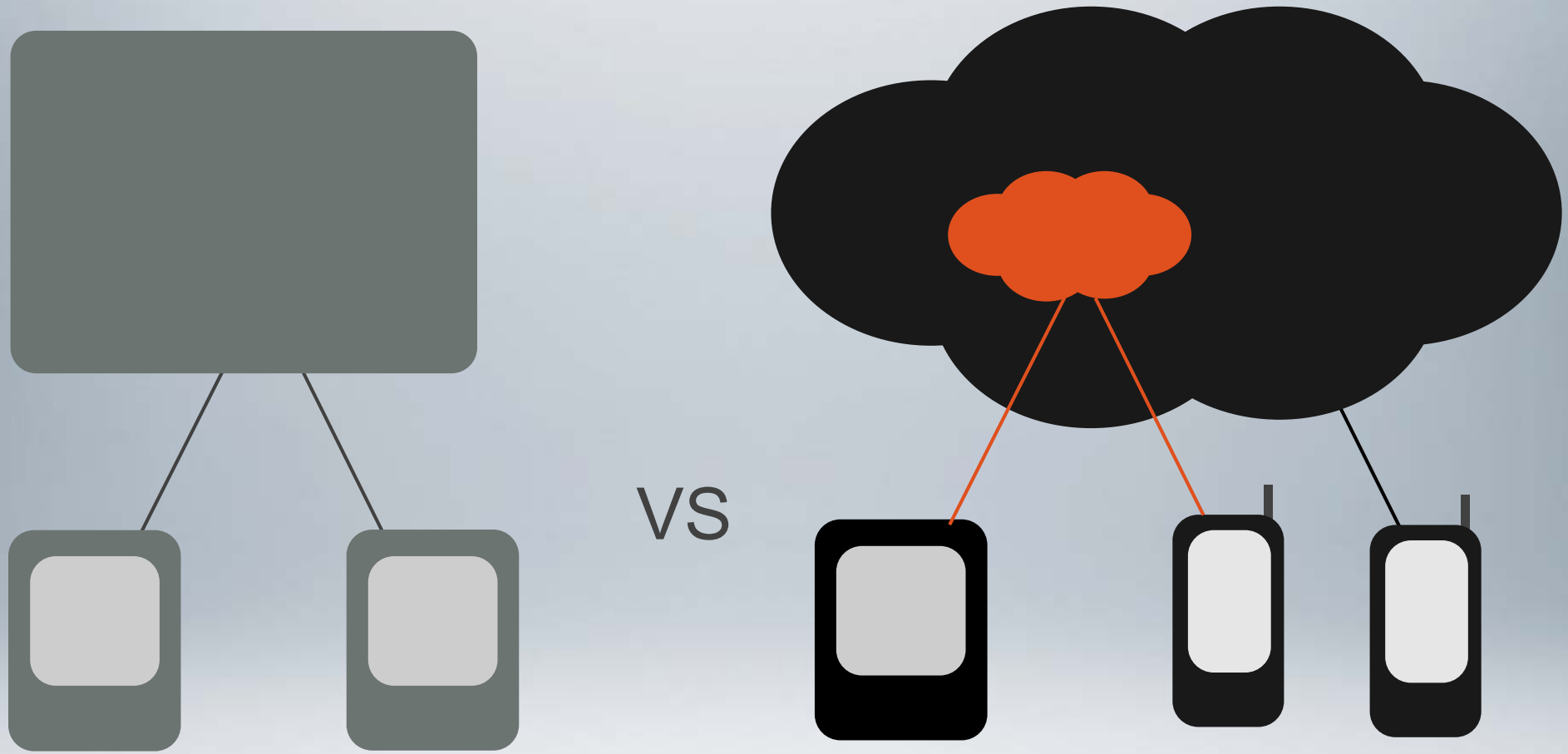
Need a CIS System?
Theres an *App* for that

City of Portland Citizen Reports





What Makes This Kind of Thing Possible?



Did You Notice We Lost a Color?

I thought this was a talk about Google...?

amazon
web services
Google
Apps
talk
Google App Engine
mobile
me
Windows Azure Platform

Google Apps

Email
Calendar
Document Management
Websites
Chat and Video Conference

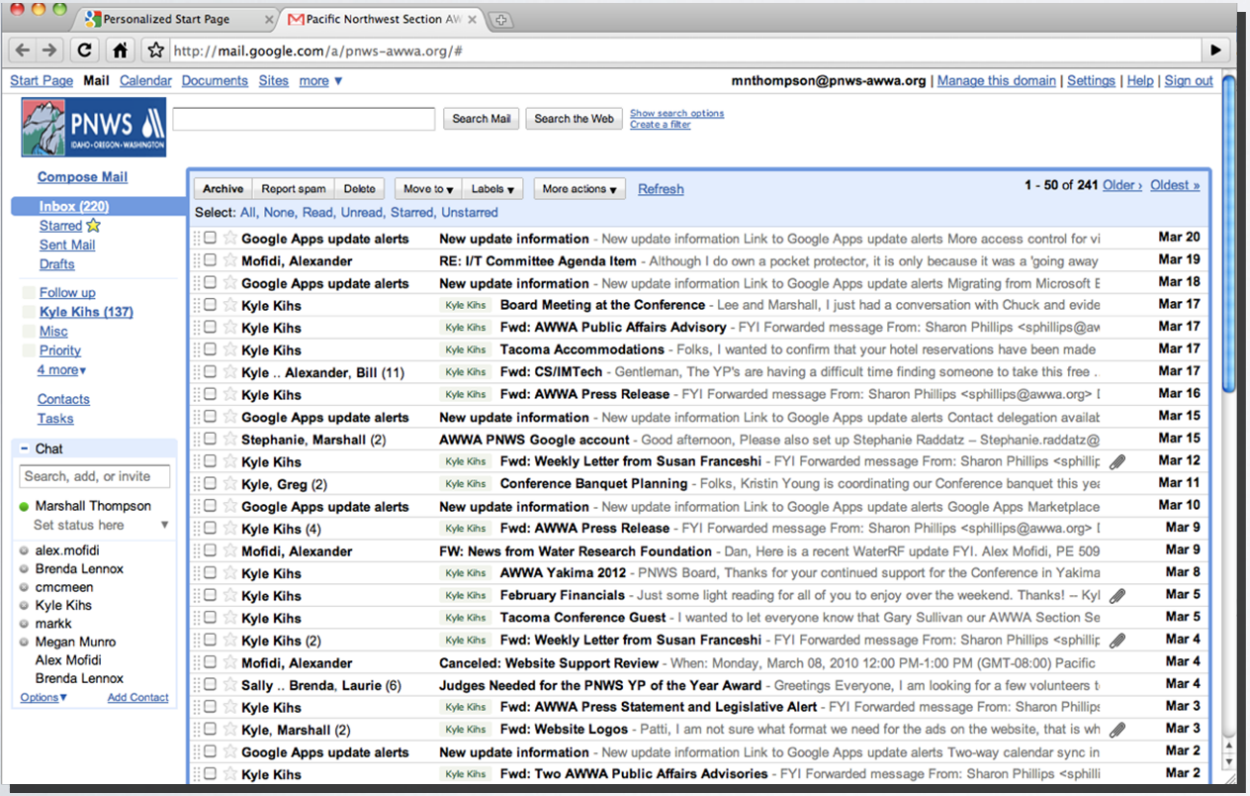
Works with most other Google Tools

$

Individuals: Free
Non-Profits: Free
Corporate and Gov: $50 per User per Year

Gmail

Its just like the email you would get from an IT Department, just without the department

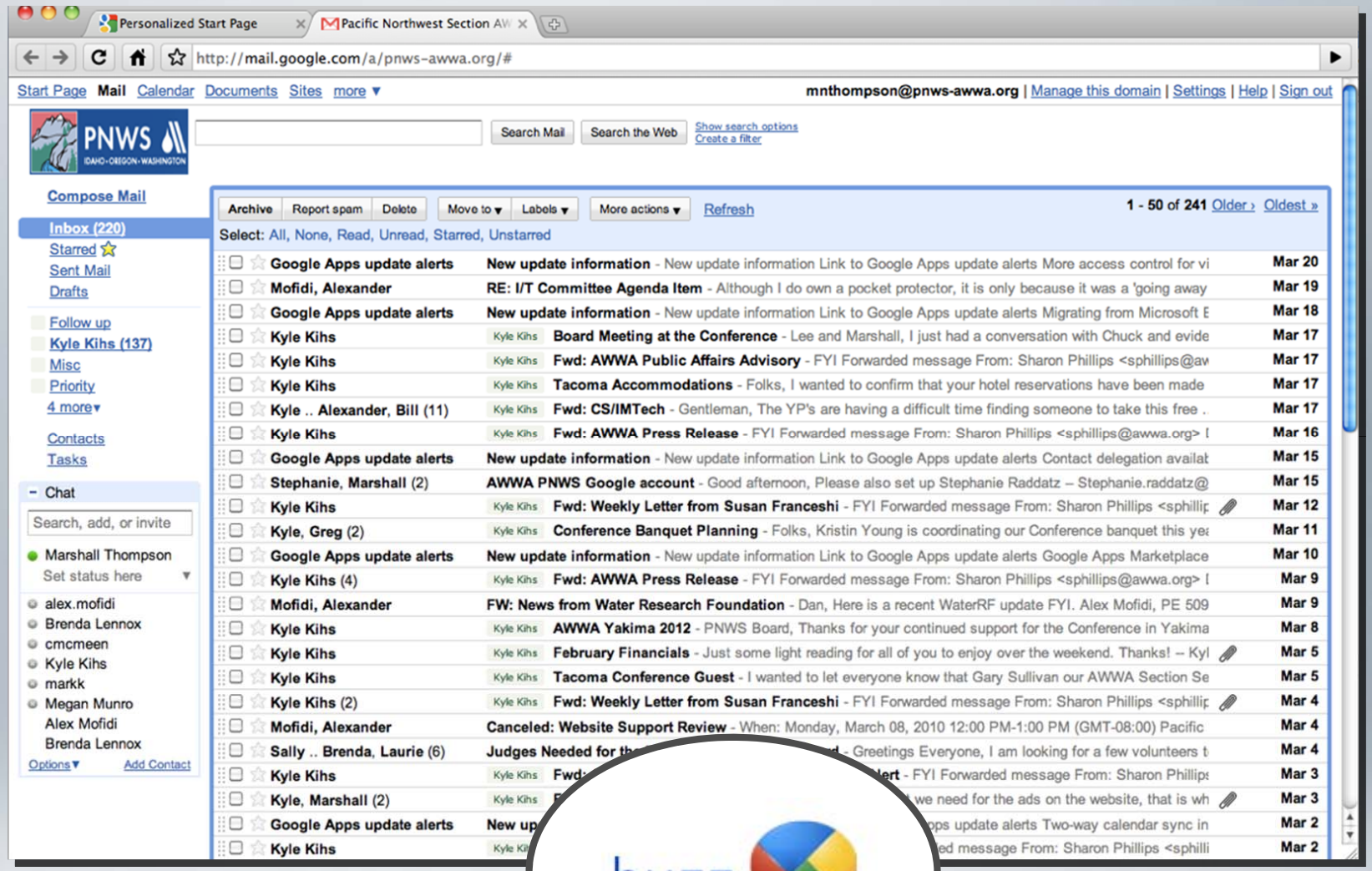


Use your own Domain

bob@PublicWater.org

What is and Is not eMAIL

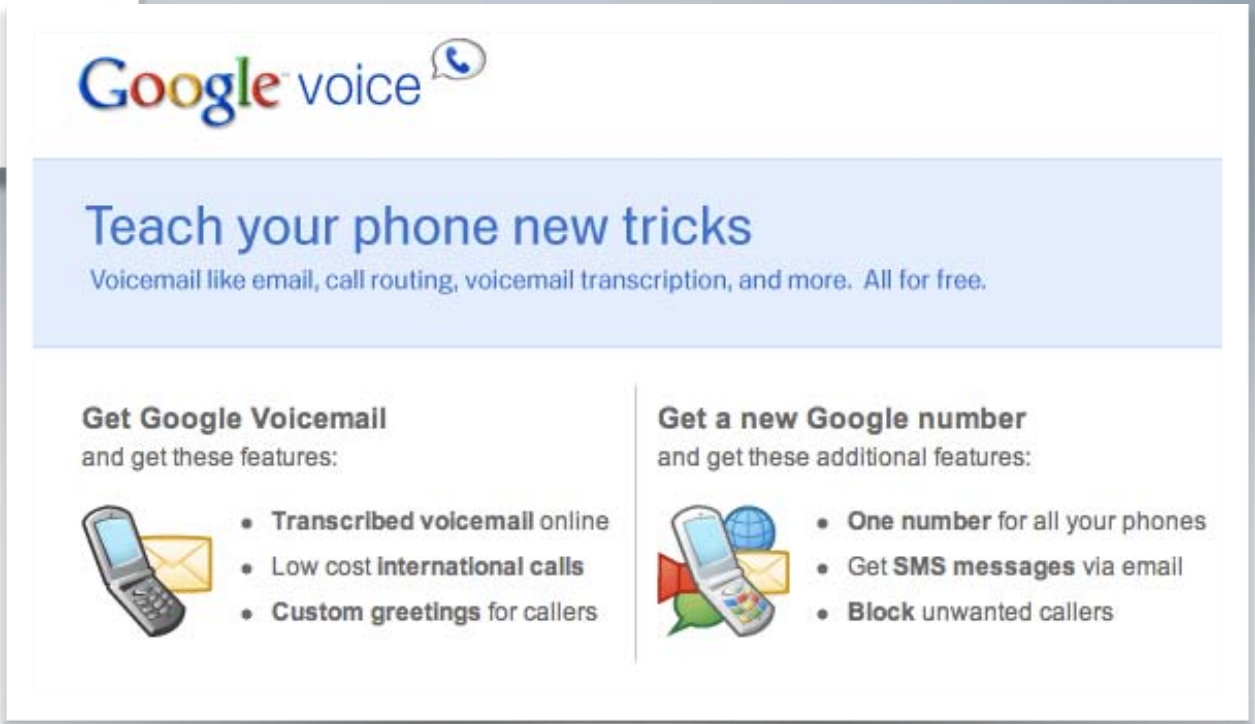
MOVING TARGET



buzz

Gmail

Turns Gmail into Facebook/Twitter-light



Google's Mixed Message On the Future of Messaging

Google DOCS

Its just like the email you would get from an IT Department, just without the department

Where Microsoft Has	Google Has
Word	Documents
Excel	Spreadsheets/Forms
Powerpoint	Presentations

Personalized Start Page | Pacific Northwest Section AW | Google Docs - All items

https://docs.google.com/a/pnws-awwa.org/?tab=mo#all

Start Page | Mail | Calendar | **Documents** | Sites | more ▼

mnthompson@pnws-awwa.org | New! Upload any file | Settings | Help | Sign out

PNWS IDAHO·OREGON·WASHINGTON

Search Docs | Search Templates | Show search options | Browse template gallery

Create new | Upload

- All items
- Owned by me
- Opened by me
- Shared with me
- Starred
- Hidden
- Trash
- Items by type
- More searches

My folders
- 2010 Abstracts
- Information Technology Co
- LAC

Folders shared with me

All items

Refresh

Share | Folders | Delete | Rename | More actions | 1-33 of 33 | Last modified

Name	Folders / Sharing	Date
EARLIER THIS WEEK		
Research Committee Questionnaire	**Alex.mofidi** to 6 collaborators	**Mar 16** Alex.mofi
EARLIER THIS MONTH		
PNWS-AWWA New Member Interest Form	**Jfoote** to 3 collaborators	**Mar 11** Jfoote
EARLIER THIS YEAR		
Faculty Survey Response 2009	**me** to 5 collaborators	**Feb 19** Alex.mofi
Faculty Survey Response 2009.doc	Alex.mofidi to 11 collaborators	Feb 19 me
2010 Winter Committee Report	Information Technology Committee me to 1 collaborator	Feb 5 me
Groups and Users	Not shared	Feb 4 me
Getting Started with the PNWS-AWWA Google Web Tool	me to Pacific Northwest Section AWWA, 2 collaborators	Feb 4 me
Presentation Demo	me to 1 collaborator	Feb 4 me
Presentation Minutes from Portland	**me to 1 collaborator**	**Feb 4** Alex.mofid
Pacific Northwest Section Website Tools	Training me to 2 collaborators	Feb 4 me
Google Apps - Signing In	Training me to 2 collaborators	Feb 1 me
PNWS-AWWA.org Introduction	Training me to 2 collaborators	Feb 1 me
Adding a Logo or Image to a Google Form	Website Management me to 1 collaborator	Jan 28 me
Hi Sally	me to 2 collaborators	Jan 27 me
Posting Water Matters to the PNWS	Website Management me to 1 collaborator	Jan 21 me
OLDER		
How to Create a Password Protected Page for PNWS	me to 1 collaborator	8/4/09 me
2010 Abstract Submission Spreadsheet	Lgoeres to 6 collaborators	8/4/09 me
New User Setup | PNWS-AWWA	Website Management me to 2 collaborators	8/3/09 me
Committee Directory Updates - 2009	me to 2 collaborators	7/7/09 me
Proposed Meeting Time – 2:00 PM (PST)...	Not shared	6/23/09 me
PNWS-AWWA Website Training	me to 2 viewers	3/27/09 me

1

Personalized Start Page | Google Docs - All items | Edit form - [Untitled Form]

https://spreadsheets.google.com/a/pnws-awwa.org/gform?key=tPaiFcAb4w5

Google docs — mnthompson@pnws-awwa.org | Help | Sign

Add item | Theme: Plain | Email this form | See responses | More actions | Save

Require pnws-awwa.org sign-in to view this form.

Automatically collect respondent's pnws-awwa.org username.

Untitled form

You can include any text or info that will help people fill this out.

Question Title: Sample Question 1

Help Text

Question Type: Text

Their answer

Done | Make this a required question

Sample Question 2

You can view the published form here: https://spreadsheets.google.com/viewform?formkey=dFBhaUZjQW0dzVnNGM5OU0zVW90LXc6MA

2

https://spreadsheets.google.com/a/pnws-awwa.org/viewform?h

New Member Interest Survey

e information below will be used to help you become involved in Section activities t relate to your interests and abilities. When completed, the information in the rm will be sent to the Membership Chair and forwarded on to the Committee Chairs within the Section that you have interest in

* Required

First Name: *

Last Name: *

Email Address *

Occupation/Title:
Input Job Occupation/Title

I found out about AWWA from? *

Friend/Co-worker

Select Committees That Are of Interest

Certification

3

Edit form - [New Member Interest Survey] - Google Docs

https://spreadsheets.google.com/a/pnws-awwa.org/gform?key=0AmjK6ME5Ql6LdEd1ZnYtNU5nbWhmYllpOGZBb3RuLXc

Google docs — mnthompson@pnws-awwa.org | Help | Sign out

« Back to editing | Saved

I found out about AWWA from?

Friend/Co-worker	11	50%
AWWA Publication	3	14%
Subsection Meeting/Class	2	9%

Friend/Co-worker, AWWA Publication, Subsection Meetin..., Other Industry Co..., Other Industry Pu..., Other

0 2 4 6

Select Committees That Are of Interest

Certification, Cross-Connections..., Customer Service

You can view the published form here: https://spread formkey=dEd1ZnYtNU5nbWhmYllpOGZBb3RuLXc6

Personalized Start | Google Docs - All | PNWS-AWWA New | Edit form - [Untitl

https://spreadsheets.google.com/a/pnws-awwa.org/ccc?key=0AmjK6ME5Ql6

Start Page | Mail | Calendar | Documents | Sites | more — mnthompson@pnws-awwa.org | Sign out

Google docs PNWS-AWWA New Member Interes — Autosaved on 3/11/10 | Share

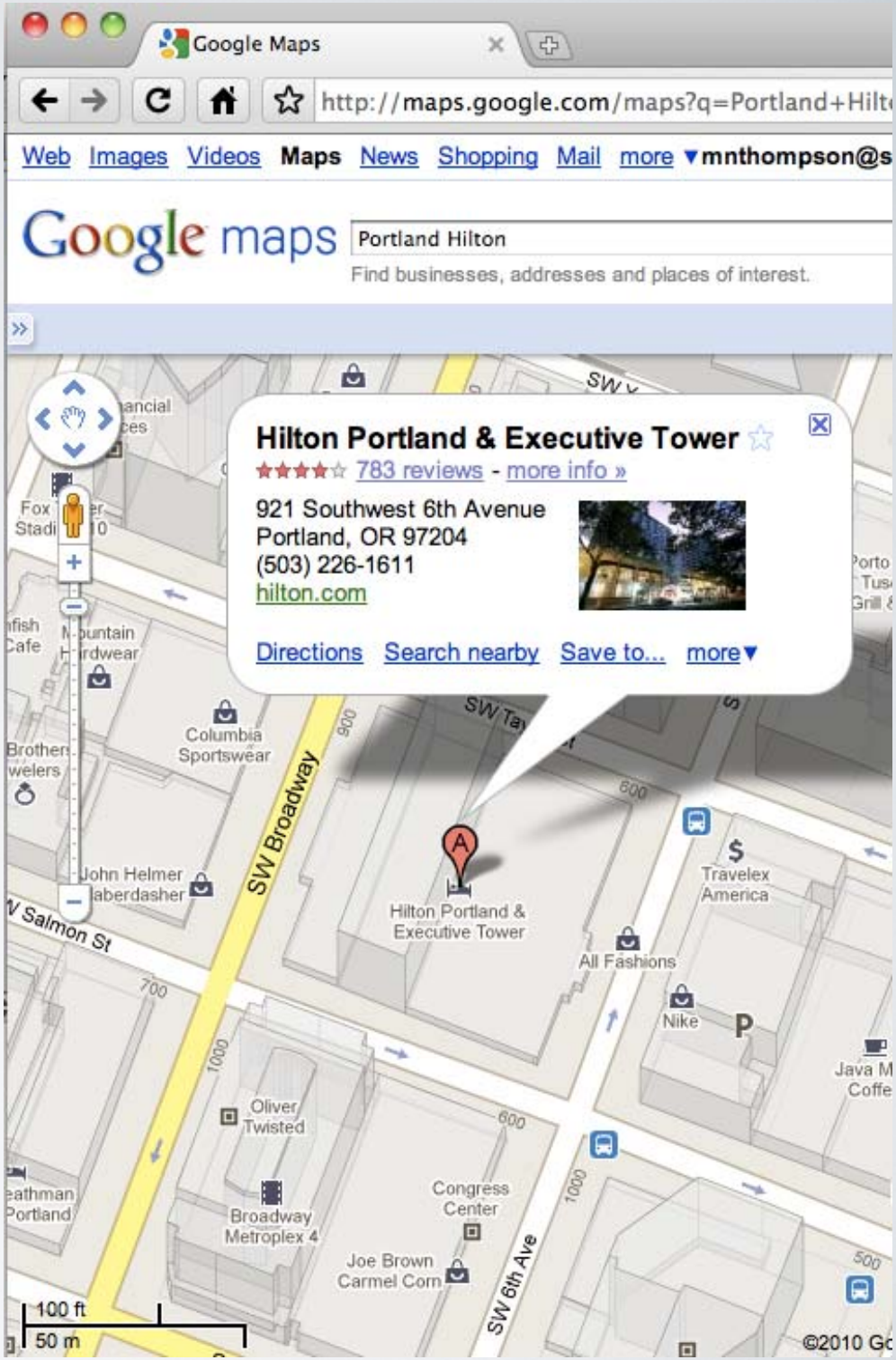
File Edit View Insert Format Form (22) Tools Help

	C	D	E	F	G	H
1	t Name:	Occupation/Title:	I found out about AWWA from?	Select Committees That Are of Interest	Training Topics That Are of Interest:	The Pacific Northwest Section can help me most by:
2		Consultant/Engineer	Friend/Co-worker	Distribution Systems, Research, Small Systems, Water Conservation, Water Quality, Water Resources, Water Treatment, Young Professionals		
3		Water Quality Engineer	Friend/Co-worker	Distribution Systems, Engineering , Water for People, Water Quality		
4	rson	Regional Engineer	Other Industry Publication	Engineering , Small Systems, Water Treatment, Water Information Techology, Young Professionals	New Rules Cost-efficient treatment for small water systems	Prioritizing recent changes to Rules, and providing venues to share learning and understanding of these Rules.
5			Subsection	Membership, Public Information, Water Conservation, Water Quality, Water Resources, Water Information		By providing networking opportunities within

Add Sheet | Sheet1 | Sheet2 | Timestamp

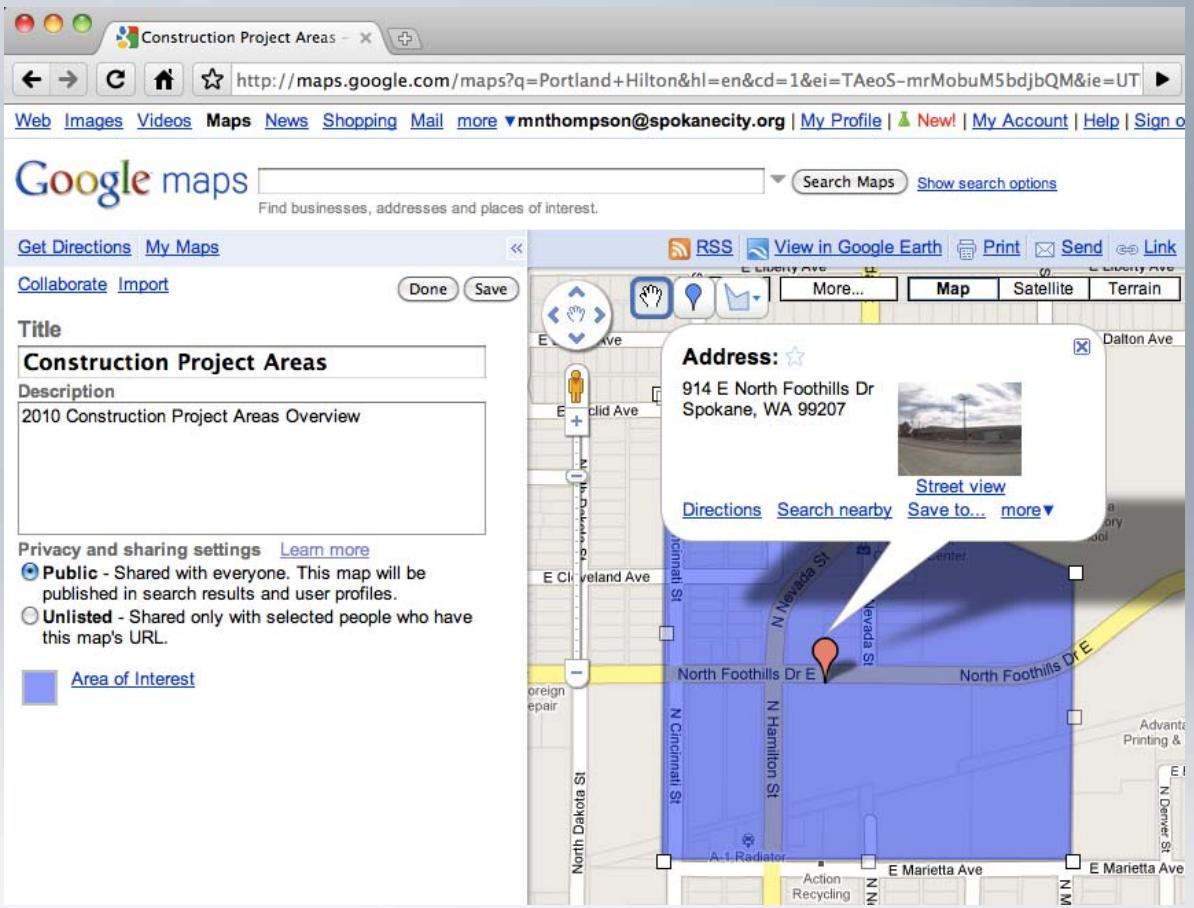
Google MAPS

Fast
Accurate
Integrates with GIS
Street-View Imagery
Publish Your Own Maps



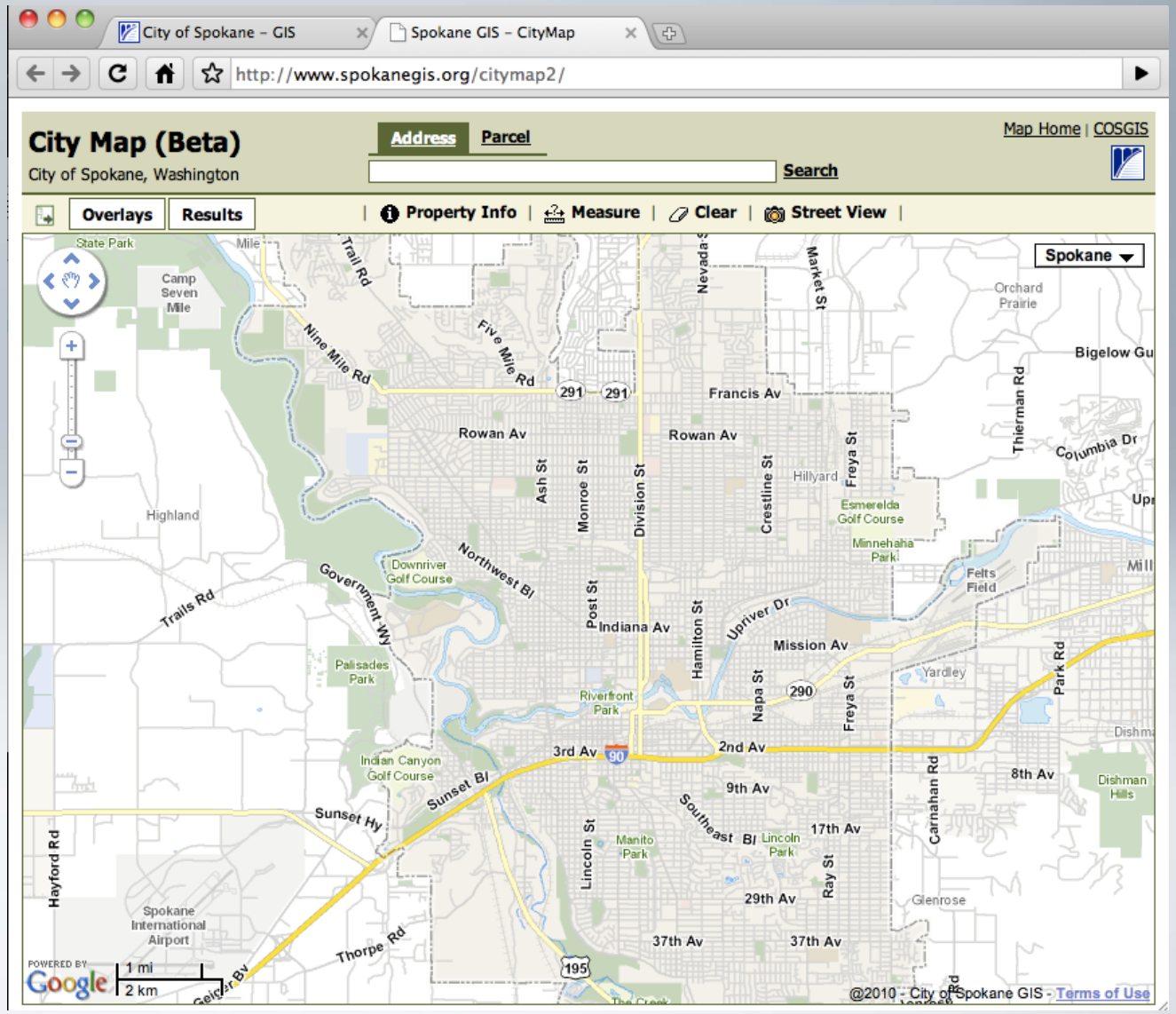
Google My Maps

Author Maps
Collaborate Online
Publish
Not Technical



Google Maps API

Custom Maps
Online
Technical



Thank You

Marshall Thompson

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