

County Scorecard Update NACS

Brett Howe
NGS Headquarters Staff

Ronnie L. Taylor
NGS State Advisor – Florida

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Presentation Overview

- *Overview*
- Background
- Partners
- Details
- Results
- Next Steps



Overview

- NOAA's National Geodetic Survey (NGS) has a new performance metric that assesses how well we are doing at “enabling” local capacity for accurate positioning.

This metric:

- Was developed over the past two years in partnership with National Association of County Surveyors (NACS).
- Makes use of NOAA's Online Positioning User Service (OPUS) as a proxy to assess the local use of NOAA positioning tools and services.
- Involves the use of a web-based county scorecard of 23 survey questions specifically focusing on infrastructure, models and tools, outreach and overall satisfaction.



Overview

- **We need input from YOU, our core customers, to help NOAA improve its geospatial products and services.**
- For more information, contact:
 - Your NOAA State Geodetic Advisor
(for current list visit <http://www.ngs.noaa.gov/ADVISORS/>)
OR
 - Brett Howe (Brett.Howe@noaa.gov)



We want
YOU
to tell us
how we're
doing



National Oceanic and Atmospheric Administration

Overview

- NOAA's performance metric measures the percentage of U.S. counties rated as fully enabled or substantially enabled with accurate positioning capacity
 - Goal: Increase % of counties rated as substantially or fully enables from 25% in 2004 to 90% in 2011
 - County Scorecard is an important component



Overview

- FY06 was first year of implementation
 - a more customer, outcome focused measure
 - replaces “old” Government Performance and Results Act (GPRA) measure: Percent of National Spatial Reference System Complete
- **Extremely High Visibility.** Reported to:
 - National Ocean Service
 - Department of Commerce
 - President’s Office of Management and Budget (OMB)
 - Congress
 - The general public (through PART at www.expectmore.gov)



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Background

Why we **HAVE** to implement:

- GPRA- Government Performance and Results Act of 1993
 - requires agency reporting of performance goals and targets
- DOC Inspector General Report, February 2003
 - recommended reevaluation of old GPRA measure

Why we **NEED** to implement:

- to reach out and interact with our core customers
 - for input
 - for education
- to improve our Products and Services
- to improve management decisions on how best to allocate resources



Who is involved in this process?

- **National Association of County Surveyors**
- NGS Leadership
- NGS Products and Services Committee
- NOAA Geodetic State Advisors / Coordinators
- State Geodetic Representatives
 - local County Surveyors
 - GIS Professionals
- Other Partners
 - American Congress on Surveying and Mapping
 - National Association of Counties
 - National States Geographic Information Council



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GPRA Measure Details

Indicator:

By County, a measure of the NOAA-provided level of infrastructure, tools, and local capacity needed for accurate positioning as follows:

RED – Not yet classified

YELLOW – County “substantially enabled” to conduct accurate positioning (Use OPUS as a Proxy)

GREEN – County is “fully enabled” to conduct accurate positioning (Use County Scorecard for validation and to improve NGS products and services)



Definition of **Substantially Enabled**

- Indicates County has demonstrated it has the NOAA-enabled infrastructure, tools, and local capacity needed for accurate positioning.
- Measures local Online Positioning User Service (OPUS) use as a proxy.
- Indicated by 25 or more OPUS solution generations in a given county in the last year.
- Counties colored **YELLOW**.

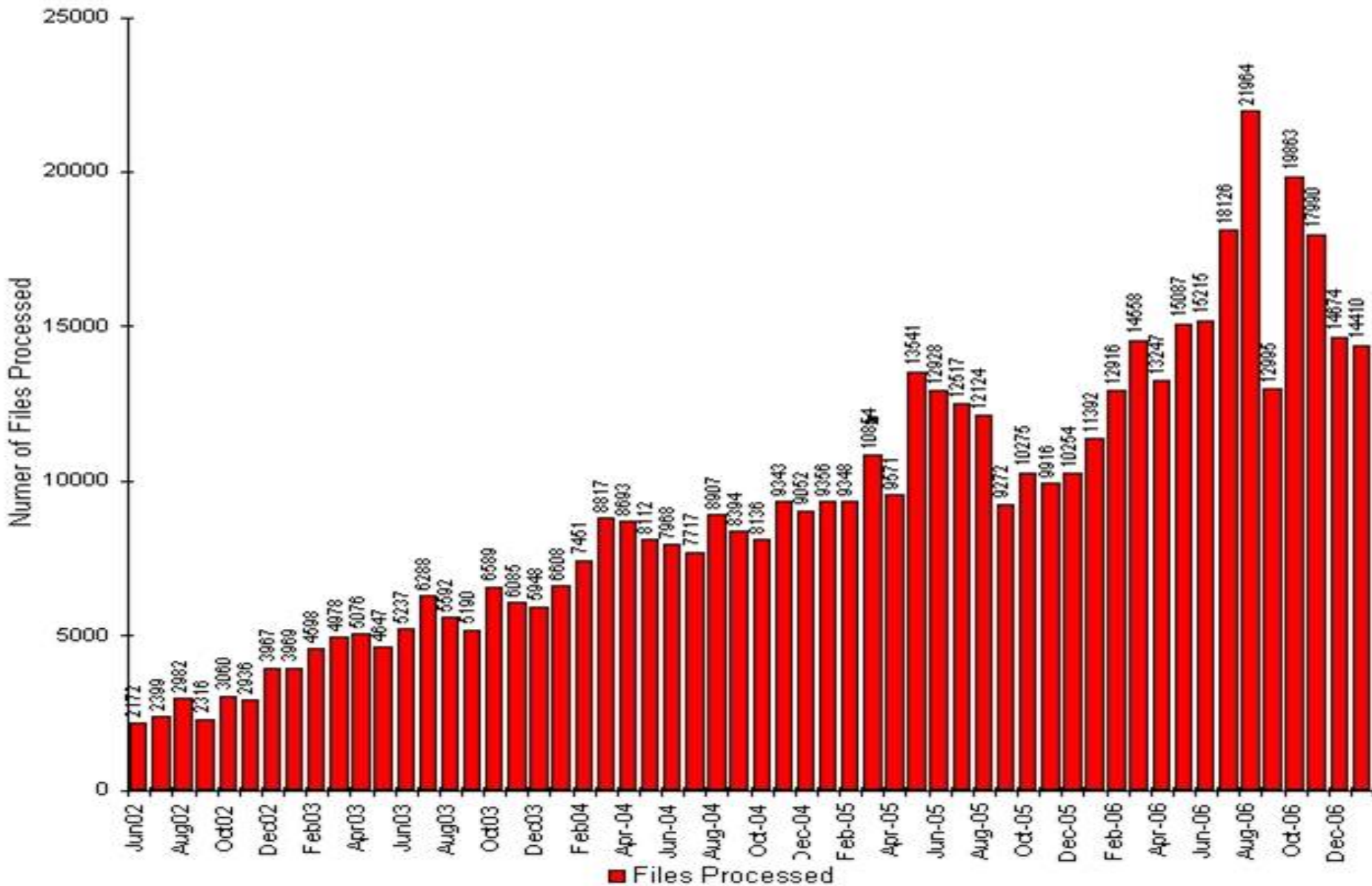


Online Positioning User Service (OPUS)

- Users submit GPS data to NGS, where they are processed using NGS computers and software.
- The resulting precise positions are e-mailed back to the user.



OPUS Stats from 2002 - Present



Definition of Fully Enabled

- Indicates county validated NOAA-enabled infrastructure, tools, and local capacity needed for accurate positioning. This is indicated by having the four following elements:
 1. The county participates in the State Advisor/Coordinator program or has a State Designated Equivalent.
 2. NGS has identified a County Designated Representative such as: County Surveyor, County Engineer, GIS Administrator, or equivalent.
 3. County has submitted accepted “blue book” data to NGS through activities such as: leveling project software, GPS projects and OPUS DB (when available).
 4. County completes a county-based, accurate-positioning scorecard (County Scorecard).

- Counties colored **GREEN**



County Scorecard Details

- Developed over the past two years in partnership with NACS.
- Gauges the local use of NOAA positioning tools and services as well as customer satisfaction.
- Web-based. Uses Survey Monkey web survey tool.
- Contains 23 questions specifically focusing on infrastructure, NGS models and tools, NGS capacity building and outreach, and overall satisfaction.
- Paperwork Reduction Act Compliant



County Scorecard Details

- Two distributions so far:
 - In December 2005, the County Scorecard was finalized and distributed to 200 NACS members. Survey closed in February 2006. Received 91 responses. **A 45% response rate!**
 - In June 2006 the 2nd Distribution was sent to 737 State Geodetic Representatives. Survey closed in September 2006. Received over 200 responses. **A 27% response rate!**



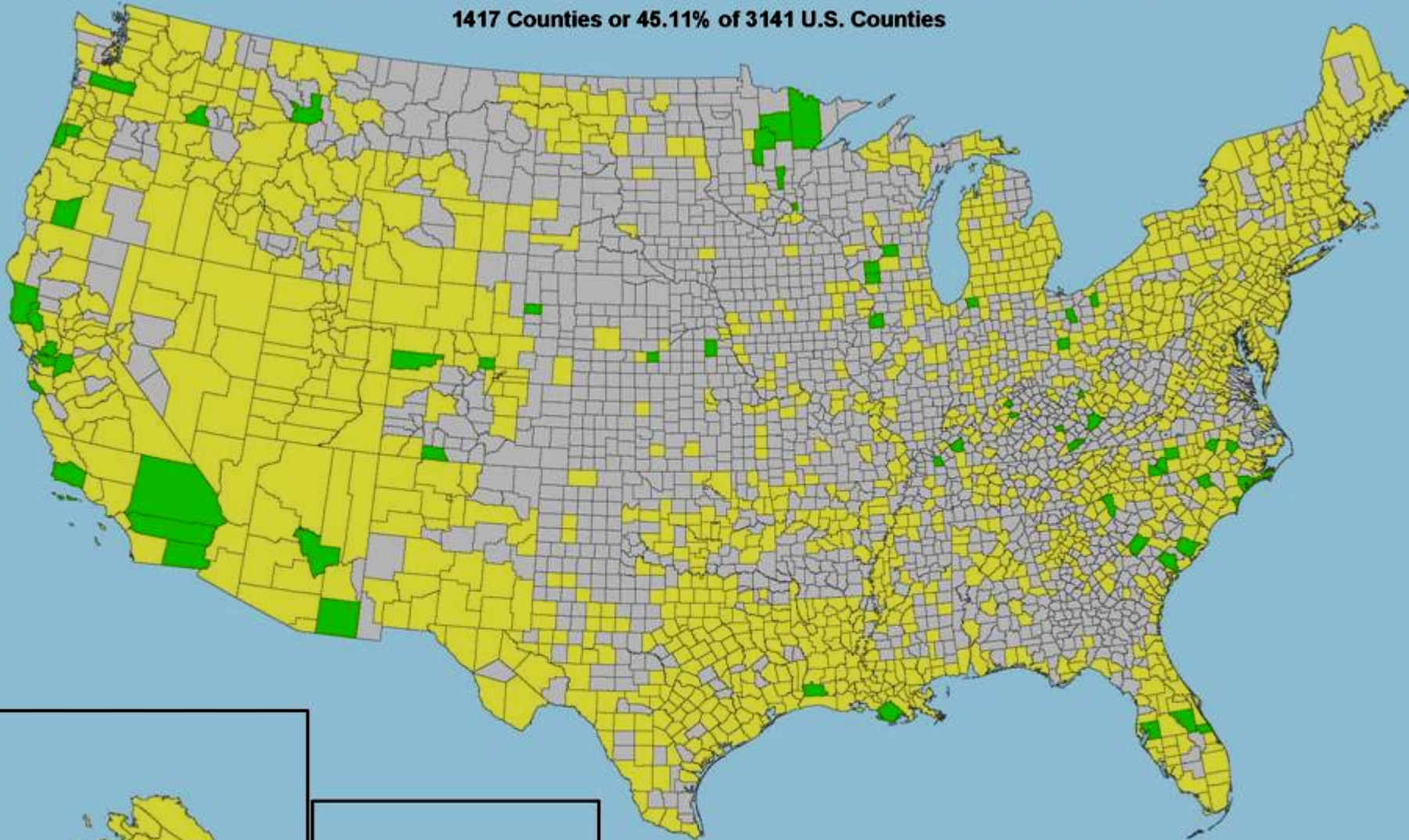
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Fully or Substantially Enabled Counties - as of 31 December 2006

1417 Counties or 45.11% of 3141 U.S. Counties



1st Quarter 2007

-  Fully Enabled
-  Substantially Enabled
-  U.S. Counties

Howe 2/2/07

GRPA Measure Targets

Ranking	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Substantially Enabled	44%	52%	62%	62%	62%
Fully Enabled	5%	8%	13%	20%	30%
Total GPRA (Green and/or Yellow)	49%	60%	75%	82%	92%



Results from County Scorecard 2nd Distribution

3. What best describes your profession?

	Response Percent	Response Total
County Surveyor (non-NACS member)	40.1%	83
County Surveyor (NACS member)	7.7%	16
Local Government Representative	12.6%	26
Geodesist/Cartographer	2.9%	6
Other Land Surveyor/Engineer	14.5%	30
GIS/Mapping User	29%	60
Other (please specify)	8.2%	17



Results from County Scorecard 2nd Distribution

12. What is your overall satisfaction with NGS' Models and Tools?

	Response Percent	Response Total
Very Satisfied	10.7%	19
Satisfied	78%	138
Not Satisfied	11.3%	20

21. What is your overall level of satisfaction with the products and services that NGS provides to your work?

	Response Percent	Response Total
Very Satisfied	14.3%	23
Satisfied	68.3%	110
Not Satisfied	17.4%	28



Results from County Scorecard 2nd Distribution

	Very Satisfied	Satisfied	Not Satisfied	N/A
Aeronautical Photos and Data	4%	<u>24%</u>	9%	63%
CORS	14%	<u>45%</u>	12%	29%
Monumented Horizontal Control	12%	<u>55%</u>	20%	12%
Monumented Vertical Control	9%	<u>50%</u>	28%	13%
Geoid Models	9%	<u>38%</u>	5%	48%
GPS Orbital	6%	<u>34%</u>	3%	57%



Results from County Scorecard 2nd Distribution

15. Is there a Workshop/Forum listed that you have not attended but would like to attend in your area?

	Response Percent	Response Total
Height Modernization Forum	23.4%	29
Blue Booking	30.6%	38
Calibration Baselines	24.2%	30
CORS Usage	50%	62
Developing an Accurate GIS/LIS	37.9%	47
GPS Processing Workshops	43.5%	54
GPS Processing Workshop (PAGES)	25.8%	32
Network Adjustment Workshop (ADJUST)	37.1%	46
North American Vertical Datum of 1988 (NAVD 88)	40.3%	50
NGS Products and Services	26.6%	33
Positioning Accuracy and Standards	55.6%	69
State Plane Coordinates and Datum Transformations	58.1%	72
Survey Mark Preservation	35.5%	44
Tidal & Geodetic Vertical Datums	12.1%	15



Results from County Scorecard 2nd Distribution

18. Are you aware of the State Advisor/Coordinator Program?

	Response Percent	Response Total
Yes 	55.8%	91
No 	44.2%	72

4. How would you rate your local positioning infrastructure?

	Excellent	Adequate	Inadequate	N/A
CORS GPS Data Availability	18% (37)	47% (97)	21% (43)	14% (30)
CORS Data Reliability	21% (43)	52% (108)	9% (18)	18% (38)
Monumented NGS Control - Horizontal	12% (24)	49% (102)	31% (65)	8% (16)
Monumented NGS Control - Vertical	7% (15)	44% (92)	41% (85)	7% (15)



Results from County Scorecard 2nd Distribution

County Scorecard Comments:

“I was not aware of many of the available items/programs available. It should help that I know the information is out there.”

“While updating multiple online datasheet submittals, I accidentally typed in the wrong County Code, and for the 10 or so monuments I recovered, they say the wrong county code on them. I know this was my error while typing, but maybe if a double check could be incorporated, it would solve this problem.”

“Have used NGS products/services very sparingly. I don't readily think of NGS as a resource.”

Comment on OPUS: “Great service. We need more CORS in central Idaho. Plate boundary commission?”



Next Steps

- Continue working with NACS to collect information and improve NOAA's geospatial products and services.
- Increase awareness of County Scorecard within and outside of NGS
 - Publicize results on the NGS website.
 - Make data readily available on NGS Intranet
 - Update list of County Geospatial Representatives.
- **Identify High Priority Counties to Target.**
- **Incorporate results into management decisions**
 - Improve Products and Services.
 - Targeted Workshops.
- **Initiate 3rd Distribution of County Scorecard**
- Work with other partners on advancing this initiative.
 - National States Geographic Information Council (NSGIC) and others.



BACKGROUND SLIDES



National Oceanic and Atmospheric Administration

National Geodetic Survey State Advisors

