



COMMONWEALTH OF  
PENNSYLVANIA

**STATE GEOSPATIAL  
COORDINATING  
BOARD**

BOARD MEETING  
NOVEMBER 15, 2021

[STATE GEOSPATIAL COORDINATING BOARD WEBSITE](#)

# MEETING AGENDA

- Welcome and introductions
- Joint Task Force update
- Task Force updates
- Executive Director update
- New Business
  - NENA / NG-911 workgroup update
  - Legislative items
  - Outreach
  - Topics for next meeting
- Guided discussion
- Open discussion
- Adjourn



# 10/14/2021 JOINT TASK FORCE UPDATE

Mary Fulton



# Task Force Updates

Task Force Leaders

# DATA TASK FORCE

## Discussion Items

### ➤ **Formalize goals and objectives**

- In-person workshops focused on vision, goals, objectives for PA Base Map
- Implementation approach

### ➤ **NG911**

- 1st PSAP (Butler) planned to migrate to NG911 service in April 2022
- Minimum GIS requirements to support NG911 adopted in September
- 24 counties have access to spatial interface application (GIS DataHub)
  - Counties will continue to be on-boarded in phased approach from west to east
  - Counties non-onboarded yet may submit data to PEMA for preliminary QC check
  - PEMA received 23 applications for \$2.76M to support NG911 GIS
    - Application reviews in progress

### ➤ **Imagery**

- Production in progress for 28 counties acquired in Spring 2021
- Western 1/3 of PA is planned for upcoming collection cycle

# DATA TASK FORCE

## Discussion Items

### ➤ Hydrography

- Raystown elevation-derived hydrography pilot underway
- PA Geologic Survey refining PAHD data model
- Data development workshop series in testing
- Pittsburgh Urban Hydro concept
- USGS 3DHP Program (Opportunity)
  - Grant program like 3DEP that funded QL2 LiDAR
  - Potential funding for fiscal year 22/23

### ➤ Civic Boundaries

- DCED/DOT Data Exchange agreement in place
- HB1877
  - Boundary change by ordinance
  - Uniform boundary change reporting
- Statewide BAS (Opportunity)

# DATA TASK FORCE

## Discussion Items

- **Transportation**
  - AEGIST Study
  - Report to NG911 GIS Working Group
- **Geodetic**
  - Working Group Status
- **Parcel/Cadastral**
  - STEB/County Pro Discussions
  - Steering Committee Formation
- **Miscellaneous**
  - Trend toward Steering Committees
  - Implementation Plans
  - Base Map Workshop Planning

# DATA TASK FORCE

## Elevation / Imagery

### Goal

Elevation and imagery are collected and distributed in a deliberate and coordinated program that maintains a dynamic 3D foundation upon which all other Commonwealth base map datasets are readily represented together.

### Data Stewardship

The elevation and imagery foundational geospatial data framework of 3DPA are jointly managed and updated through combined resources of PEMA, DCNR, and others.

- Updates may be less frequent in sections of the Commonwealth undergoing less change.
- All other elevation and imagery data that are spatially referenced to the authoritative foundational framework of 3DPA and containing standard metadata will be officially catalogued as *supporting datasets*.



# DATA TASK FORCE

## Elevation / Imagery

- **Data Standards for Elevation and Imagery**
  - 3DPA Imagery – build on current PEMA specs
  - 3DPA Elevation – USGS Lidar Base Specification (LBS) 2021, Rev A
- **Opportunities**
  - USGS 3D National Topography Model (3DNTM)
  - PEMA’s Next Generation 911 Program will require 3D dispatchable addresses
  - New sensor arrays and competitive marketplace
- **Topological Connections**
  - Hydrography and topography
  - Civic boundaries and hydrography
  - Parcels and topography informed by imagery
  - Roads with topography

# SERVICE DELIVERY TASK FORCE

## Discussion Items

- ▶ As of November 15, 59 counties and one planning Commission have signed data sharing agreements
- ▶ Virtual meetings with individual counties resulted in:
  - ▶ Fulton, Huntingdon, Perry and Wyoming sharing data right away
  - ▶ Columbia, Montour, Potter and Tioga sharing once NG911 data is ready
  - ▶ Meeting with Berks on November 15
- ▶ Special Report on COVID-19 is nearly complete
- ▶ PASDA reports:
  - ▶ The PEMA Imagery Project report is available to the GeoBoard
  - ▶ Pennsylvania Data Sharing report – this will summarize the findings of data sharing within the Commonwealth
- ▶ New PEMA Imagery is coming in.
  - ▶ Adams County is complete. Franklin will be next. An individual county service is being created for each new county. These will be merged into a 2021 cache when the data is complete.
- ▶ Met with Executive Director on November 9
- ▶ Created draft implementation goals for STF.

# SERVICE DELIVERY TASK FORCE



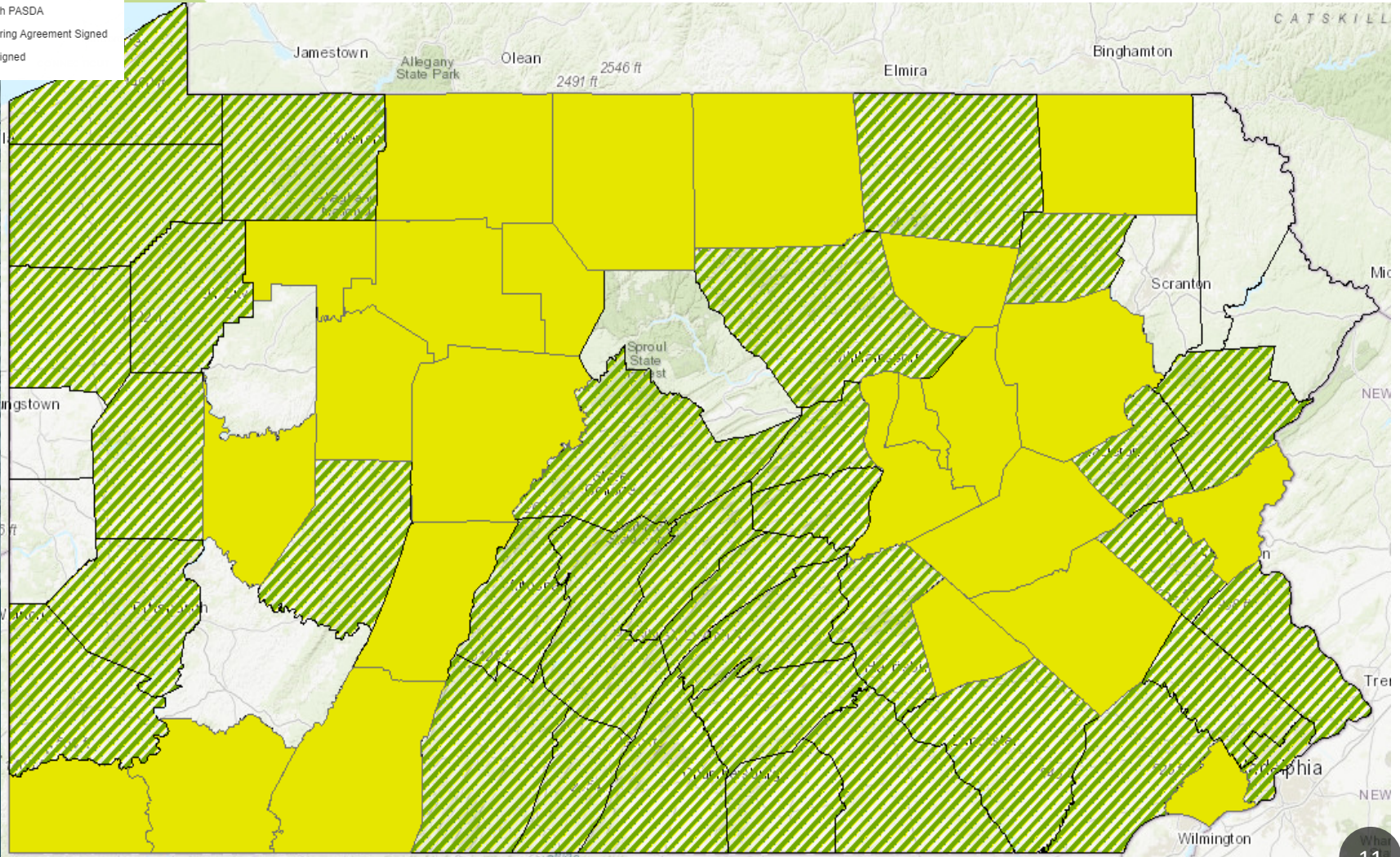
Legend

## County Data Sharing Status

### Pennsylvania County Status

- Share with PASDA, Data Sharing Agreement Signed
- Share with PASDA
- Data Sharing Agreement Signed
- Not Yet Signed

Data sharing as of 11/15/2021



# GOVERNANCE TASK FORCE

## Discussion Items

### ➤ **Implementation Approach for Strategic Plan**

- Implementation approach template distributed to each TF
- Development of Implementation Approach items / tasks is underway in each Task Force
- Approach due to Gov TF by December 25
- Gov TF will assemble into single document and release for new year

### ➤ **HB 609**

- No movement since 5/5/2021 when referred to Senate Committee: CONSUMER PROTECTION AND PROFESSIONAL LICENSURE

### ➤ **Geospatial Census**

- New Business topic, referred to Gov TF at last JTF meeting
- Author of submission met with Gov TF members; idea discussed
- Currently gathering more information and evaluating the concept, specifically the rationale



# EXECUTIVE DIRECTOR

## Update

Task	Est. % of Time
Data sharing	10
Working group operations	20
Base map / Strategic planning	30
Communications	25
Volunteerism and Board membership	10
Onboarding	5
Total	100

**Note:** Percentages represent estimated time since starting in August 2021.

# EXECUTIVE DIRECTOR

## Discussion Items

- **Hydro Modernization**
  - QL2 Lidar, PAHD Program, and USGS NTM initiative
- **Election Administration Modernization**
  - NG911 addresses and uniform boundaries
- **Statewide BAS**
  - NG911 boundary needs and CBWG progress
- **STEB Modernization**
  - Data sharing / open data
- **ARNOLD/AEGIST**
  - NG911 RCL, data hub, and HPMS

# EXECUTIVE DIRECTOR

## Guidance / direction

### ➤ **Base Map**

- 2030 vision to guide immediate coordination tasks
- Builds on established Strategic Plan
- Based on data sharing maturity
- Involves all task forces
- Spring workshops

### ➤ **Recruiting/Promotion**

- Engagement opportunities
  - Board seats
  - Working groups, task forces
  - Workshops
- Publications
- Sponsoring Agency Heads

# NEW BUSINESS

- NENA / NG-911 workgroup update – Barry Hutchins
- Legislative items – Kevin Eaton
- Outreach – Eric Jespersen
- Topics for next meeting - All
  - Progression through JTF



# GUIDED DISCUSSION

## Infrastructure Investment and Jobs Act

- Is there a role for the GeoBoard? If so, what?
- Is there an information or data sharing opportunity? If so, what?
- Can we anticipate needs for coordination, related to the Board's mission?

Domain	Est (\$B)	Domain	Est (\$B)
• Broadband	65	• Airports	25
• Electric vehicles	15	• Power grid	73
• Roads	70	• Bridges	40
• Water systems	55	• Public transit	39

Source: [Biden's infrastructure bill passed Congress. Here's what's in it for you \(msn.com\)](https://www.msn.com)

# GUIDED DISCUSSION

## What is the role of academia in Geospatial coordination?

- Sustainable talent
- Groundbreaking research and innovation
- Short-term research talent and internships
- K-12, technical schools and community colleges
- Differences among public and private universities

# OPEN DISCUSSION

## Upcoming events

- Central PA GIS Day – November 17, co-hosted by the Commonwealth and Harrisburg University, in-person and virtual
- State GIS Conference – June 13 to 15 in State College, PA, co-hosted by CCAP and PaMAGIC
- Work in progress – schedule for base map 2030 workshops

# FUTURE MEETINGS

- Mar 17, 2022 – 1:30 PM ET
- May 16, 2022 – 1:30 PM ET
- Aug 11, 2022 – 1:30 PM ET
- Nov 17, 2022 – 1:30 PM ET

## LOCATION

Virtual Conference / 1 Technology Park-  
Commonwealth Technology Center (CTC),  
Harrisburg, PA 17110

*Reminder: new business agenda topics are finalized  
five (5) weeks prior to Board meetings.*