Technology Services Board Quarterly Meeting

March 9, 2021



Agenda



TOPIC	LEAD	PURPOSE	TIME
Welcome and Introductions	Sue Langen	Introductions	9:00
Approve Minutes from Dec 8 Meeting	Sue Langen	Approval	9:04
 GIS response to critical issues in 2020 and where we go next Joanne Markert, State GIS Coordinator Christina Kellum, Department of Ecology Jason Henderson, Department of Commerce 	Sue Langen	Information	9:05
 Legislative Session Update Derek Puckett, WaTech Legislative Director Katy Ruckle, State Chief Privacy Officer 	Sue Langen	Session updates	9:50
Public Comment			10:20

Current TSB Members



Industry Members

Butch Leonardson – Retired CIO Paul Moulton – Costco

Legislative Members

Rep. Matt Boehnke – House R Sen. Joe Nguyen – Senate D Sen. Ann Rivers – Senate R

Executive Branch (Agency Directors)

Jim Weaver – State CIO & Chair
David Danner – UTC
Tracy Guerin – DRS
Vikki Smith – DOR

Other Government

Viggo Forde – Snohomish County

Members present

Members absent



Welcome/Introductions Approve 12/08/2020 Minutes



How GIS responded to our most critical issues in 2020 and where we go next

Technology Services Board meeting March 9, 2021





Introductions

- Joanne Markert, WaTech, State GIS Coordinator
- Christina Kellum, Dept of Ecology, GIS Manager
- Jason Henderson, Dept of Commerce GIS Team



2020

- COVID-19
- Wildfires
- Asian Giant Hornets (aka murder hornets)

And beyond

- Common platforms for data sharing
- Return to workplace health screening application
- Energy initiatives
- Integration with OneWA
- Equity/ Tribal revenue sharing



COVID-19

- Emergency activation like no other
- Team of five GIS professionals at Camp Murray
- Unclear how long this was going to last
- Most questions revolved around location





COVID-19

Promote 🌼 Page details

Filter County PPE Requests

Choose Tier

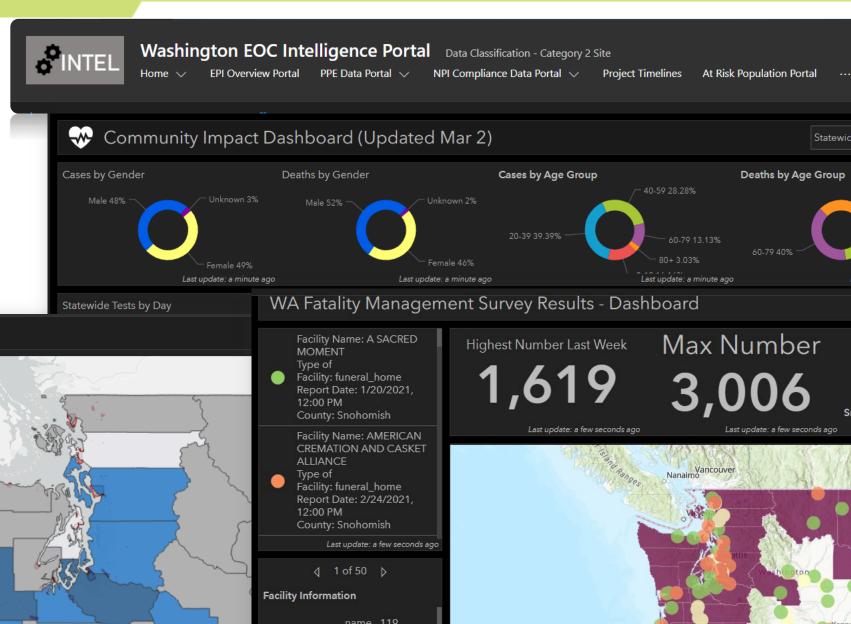
N95

Choose PPE Type

Choose PPE Type

Tribal PPE Requests

- Cases, demographics
- Personal protective equipment
- Fatality management





McCleary McCleary City Hall

Lake Arrowhead Community Club

Mary M Knight School

Schafer State Park

Esri, HERE, Garmin, NGA, USGS, NPS | W.

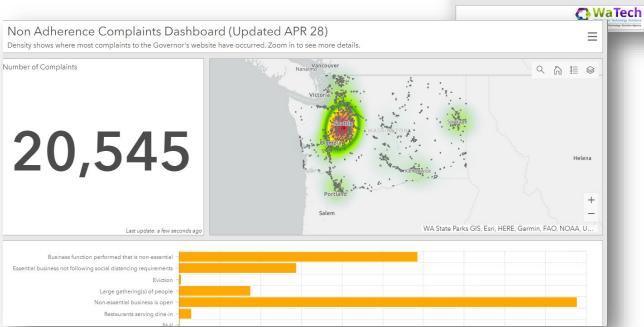
Last update: a few seconds ago

COVID-19

 Used GIS to analyze locations for broadband

Reviewed compliance issues with other

location-based information





COVID-19 + Wildfires

- Wildfire season like no other
- Worst case scenario with weather, fuel and topography
- 500K acres in less than in 36 hours in Washington alone
- Interagency response with close collaboration with federal partners
- Zero work related COVID-19 among DNR firefighters

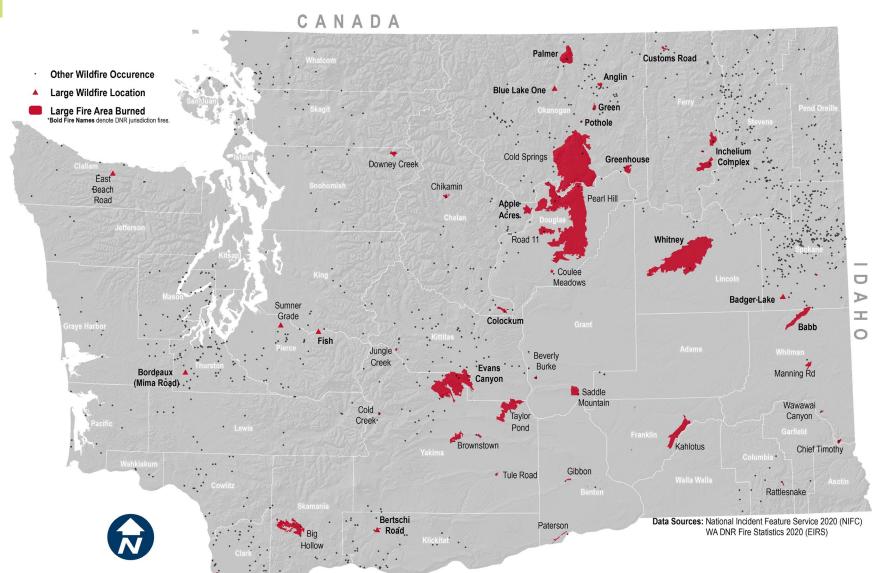


Credit: Kirk Davis, DNR



Wildfires 2020

- 713,000 acres burned statewide
- 1,002 DNR Wildfires

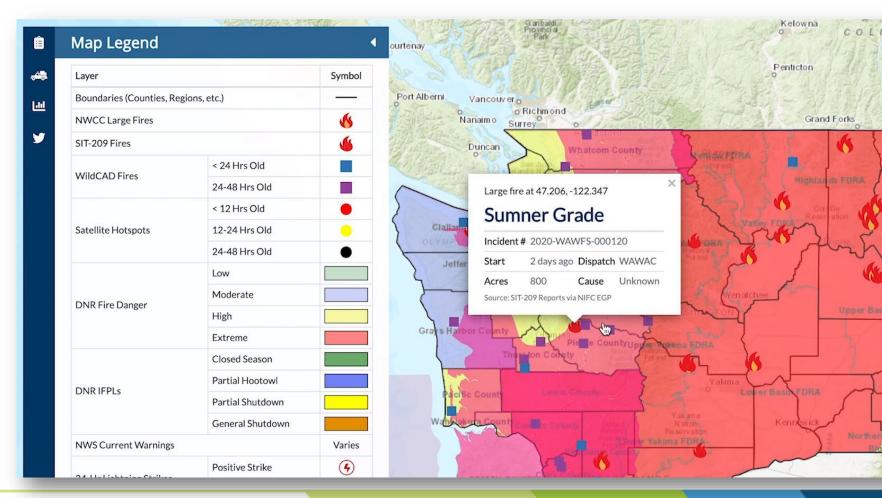


OREGON



Fireinfo.dnr.wa.gov

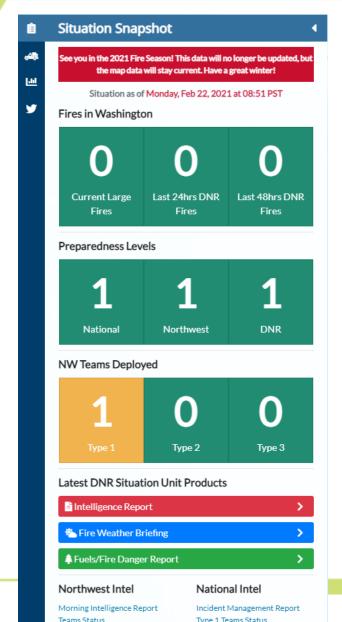
- Situational awareness
- Regional view
- Share consistent information

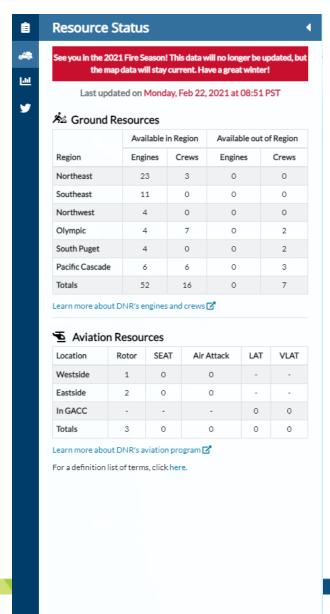




Wildfire information sharing

- 2020 relied heavily on aerial support
- Used in daily briefings
- Coordinating limited resources
- Collaborating with other partners
- Publicly available







COVID-19 + Wildfires + Asian Giant Hornets

- Highly dynamic situation
- Survey, trap and identify locations
- Coordination with citizen monitoring
- Speed was key



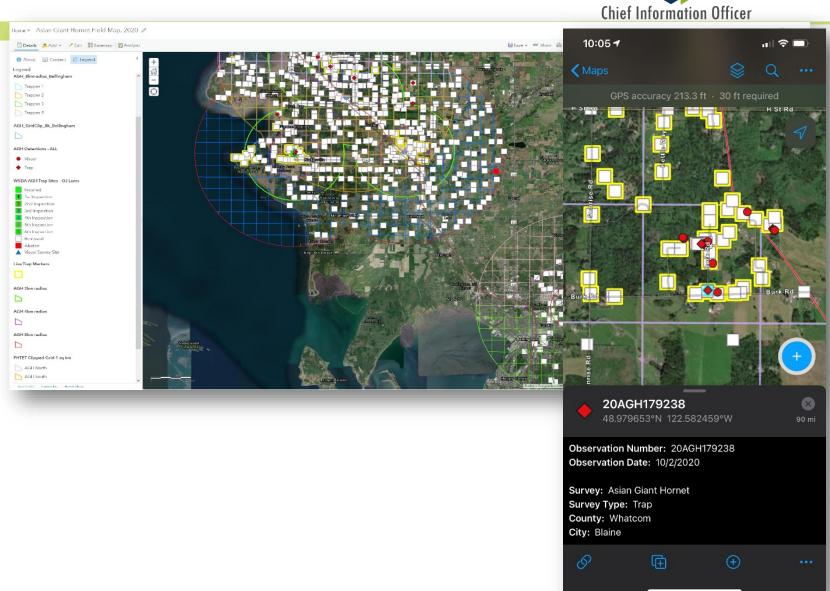


Credit: Landon Udo, WSDA



Solution

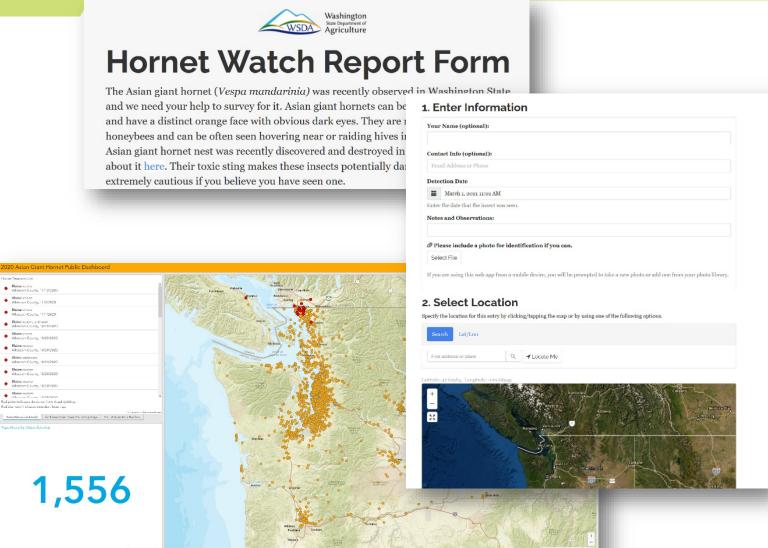
- Mobile application
- Monitor trap locations
- Color coded grids to trappers (2,200+ traps)
- Integral for data management and quick response





Public Outreach

- Citizen scientists & public involvement
- Over 4,700 forms submitted
- Applications and reports publicly available
- Communication materials





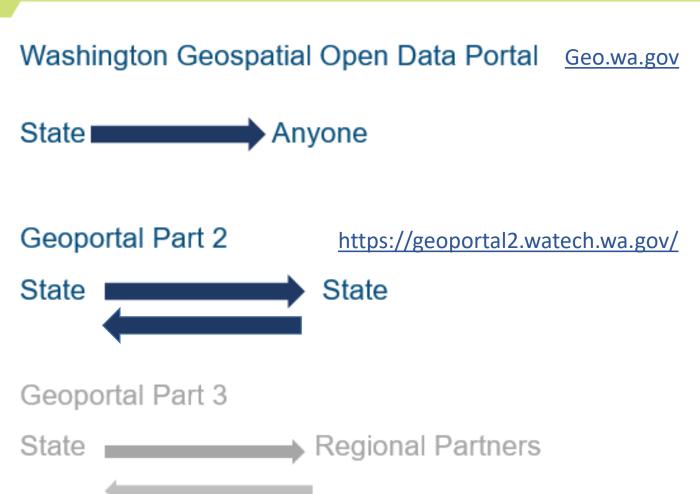
Where are we going next?





Common Platforms for sharing GIS data

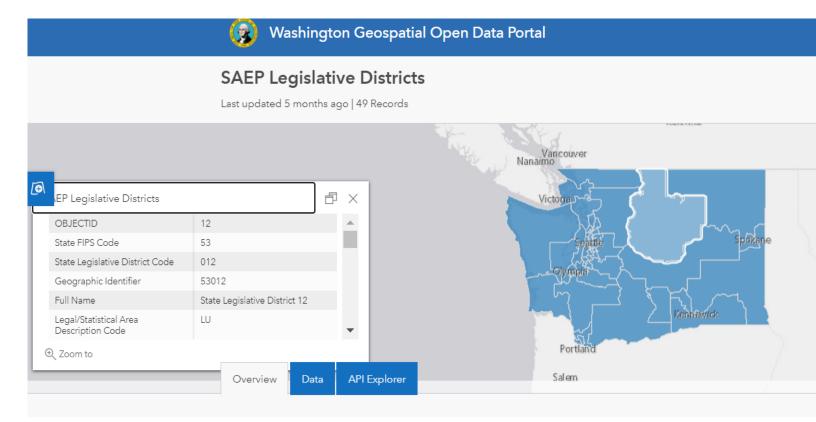
- Hazard mitigation
- Emergency response
- Puget Sound recovery
- Renewable energy initiatives
- Equity





Standardized data

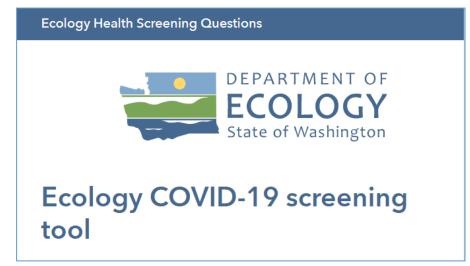
- Counties
- Legislative districts
- Census tracts
- Zip codes
- School districts
- Homeland security regions
- Tax location code boundaries





Ecology's Health Screening Solution

- Priority Project with high impact
- Uses existing technology investment
- Provides visibility to imagine future use
- Scope was the key to success



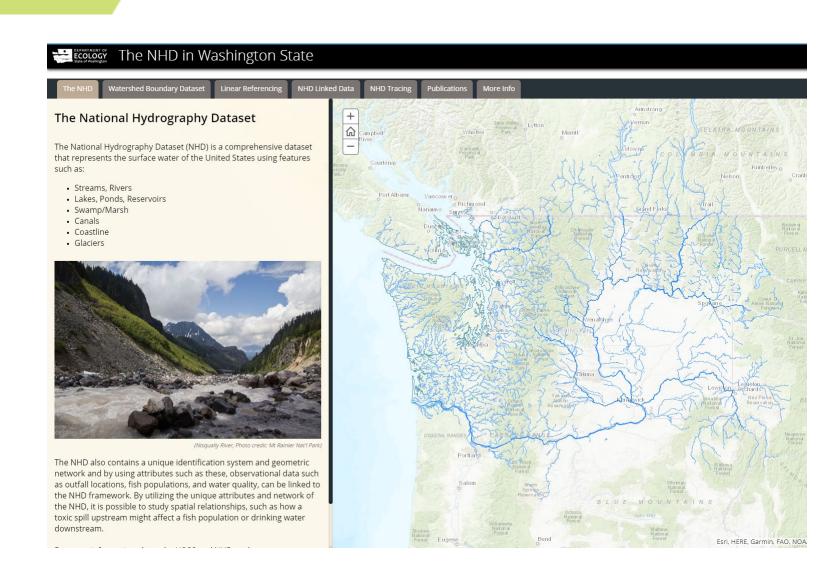




Washington Hydrography

- Beyond just mapping
- NHD is State standard
- Need for an accurate, single dataset.
- Strategic planning
- Requires local to national level effort

WA NHD Story map



Supporting Commerce's Clean Buildings Program using GIS Tools



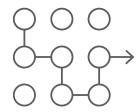
Jason Henderson
COMMERCE GIS TEAM



We strengthen communities



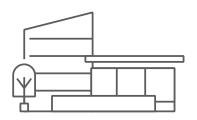
HOUSING HOMELESSNESS



PLANNING



INFRASTRUCTURE



COMMUNITY FACILITIES



BUSINESS ASSISTANCE



CRIME VICTIMS & PUBLIC SAFETY



ENERGY



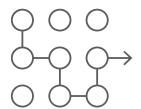
COMMUNITY SERVICES



We strengthen communities



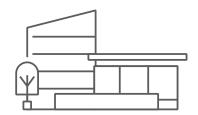
HOUSING HOMELESSNESS GIS



PLANNING GIS



INFRASTRUCTURE GIS



COMMUNITY FACILITIES

GIS

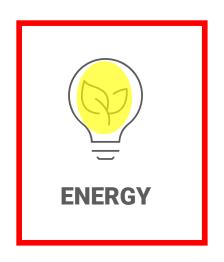


BUSINESS ASSISTANCE GIS



CRIME VICTIMS & PUBLIC SAFETY

GIS



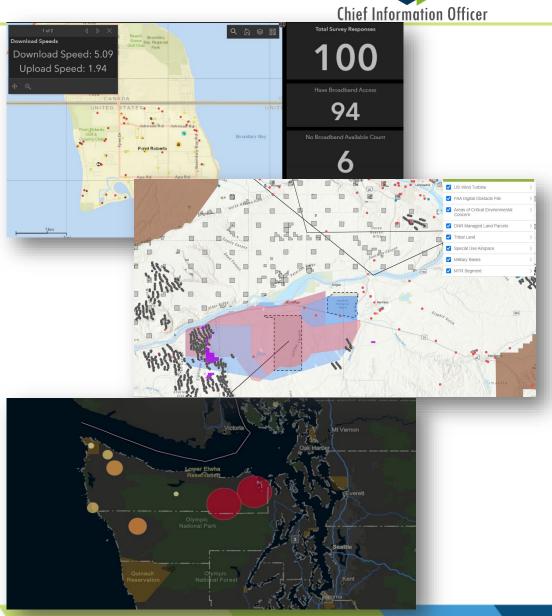


COMMUNITY SERVICES
GIS



GIS at Commerce

- This is one of many projects
 - Broadband Survey and Mapping
 - Compatible Energy Siting Assessment
 - Washington Energy Infrastructure Assessment Tool
 - 70 + Map Services
 - Outage Data feed from Oak Ridge Nat'l Lab
 - COVID Impacts
 - Wildfire Impacts
 - Internal and external dashboards
 - Integrating data services from many state agencies using GEO.WA.GOV





Today: The Clean Buildings Program

- The objective is to lower costs and pollution from fossil fuel consumption
 - Commercial buildings over 50k square feet.
- Help develop and implement an energy performance standard for these buildings and provide incentives to encourage efficiency improvements.
- Big Problem: Locating the property owners of those large, over 50k square foot buildings.



3D Building Data for Portions of State





Generating Data for Rest of State

- Data from Geo Portals
 - 2D building footprint data
 - Digital Elevation data
 - LIDAR data
 - Parcel data
- County by County
 - Derived Height of Building
 - Calculated Total Square Feet
 - Buildings over 50k Sq. Feet were used to get ownership info from parcel data







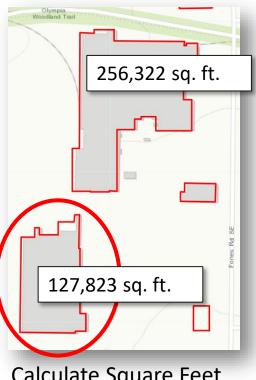
Process Overview to Generate Height and Square Footage Values



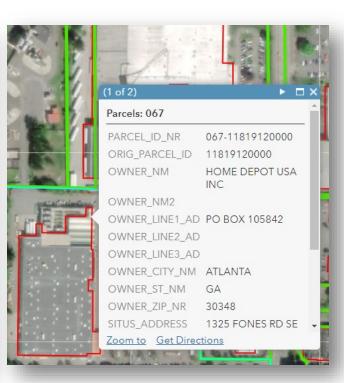
Identify Structures



Process 3D data



Calculate Square Feet

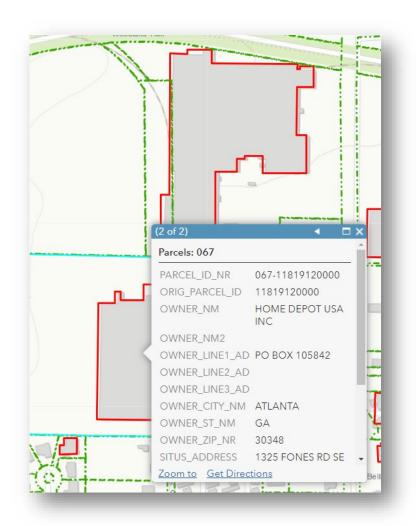


Retrieve Ownership Data



Final Steps

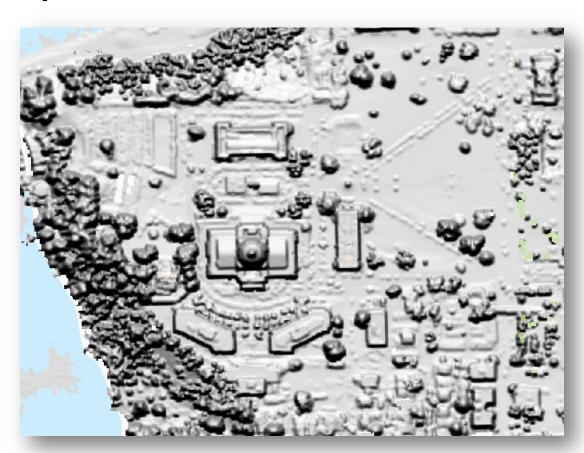
- Ownership Data Collected
- Tracked in Commerce App
- Data used to communicate with property owners about the Clean Building Program
 - Incentives
 - Workshops
 - Energy performance standards





Current Status and Next Steps

- Almost complete processing all counties and buildings in the state
- July 2021 Building Owner Notification and Early Adopter Incentive Program Starts
- Finalize process to identify and record new construction that meet the criteria



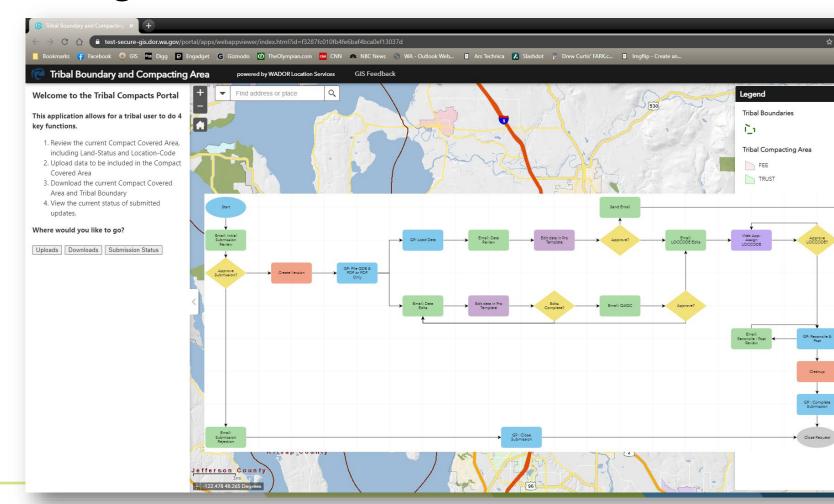


OneWA and GIS Integration



DOR – Revenue sharing with tribes

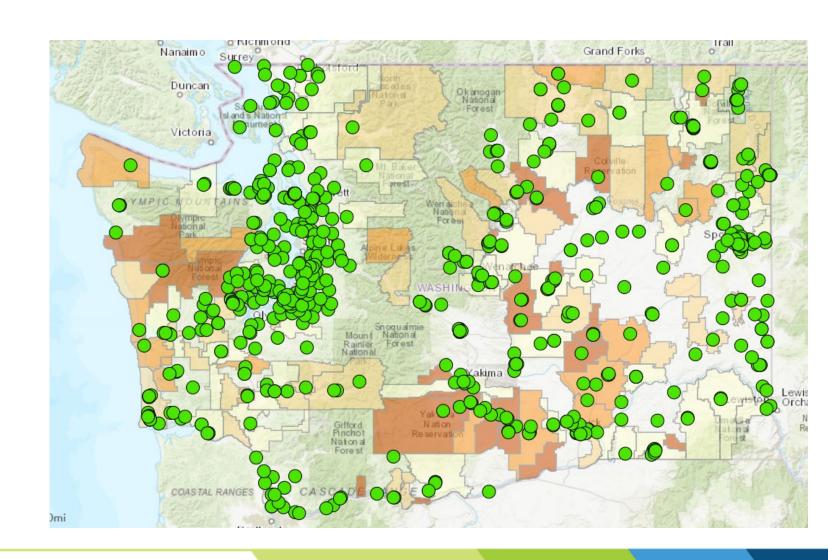
- Revenue sharing is based on agreement of areas to share sales/ use and B&O taxes
- Tribes provide areas that are covered and responsible for updates
- Application automates the process for determining tax sharing
- Implemented quickly and able to use standard tools, limiting custom code and future maintenance





Equity

- Equity is very often related to "where"
- Need comprehensive, consistent way to apply equity to evaluate projects
- DOH has environmental health disparities data in GIS format





Joanne Markert, State GIS Coordinator

- Joanne.markert@ocio.wa.gov
- (360) 522-2643

Thank you!!



2021 Washington State Privacy and Technology Legislation

Technology Services Board Presentation Katy Ruckle, State Chief Privacy Officer Derek Puckett, WaTech Legislative Director March 9, 2021



2021 Privacy and Technology Legislation



- State agency impact bills
- Al and Facial Rec
- Privacy Rights and Protection bills
- Public Records bills
- COVID-19 Related bills
- Miscellaneous



State agency impact bills



- ESSB 5432 Cybersecurity and data sharing in Washington State Government
 - Passed Senate 2-24-21
- E2SHB 1274 "Cloud Bill" Provides for cloud preference and creates a taskforce on cloud transition for state agencies
 - Passed House 2-25-21

Artificial Intelligence



- "Algorithm Bill"
- SB 5116 Establishing guidelines for government procurement and use of automated decision systems in order to protect consumers, improve transparency, and create more market predictability
- Exec'd out of policy committee 1-20-21; Referred to Ways and Means 2-8-21; Fiscal cutoff was 2-22-21
- Government Technology Article 2-23-21: Lawmakers Move to Ban Discriminatory Tech in Washington State (by Katya Maruri)

In response to reports detailing AI tech's disproportionate impact on communities of color, WA State Sen. Bob Hasegawa introduced a bill to ban AI tech and regulate automated decision systems.



Facial Recognition

SB 5104	Facial Recognition	Did not pass cutoff; did not receive a
	Moratorium	hearing

 Bill would have suspended implementation of Washington's current Facial Recognition law under Chapter 43.386 RCW for five years until July 2026









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EXTRACTION

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Privacy Rights and Protection bills



- 2SSB Washington Privacy Act
- HB 1433 Peoples Privacy Act
- HB 1303 Personal information sale
- SHB 1455 SSN disclosure by LNI and ESD
- SB 5025 Consumer Protection Act
- SSB 5152 Privacy Protection for driver data



Washington Privacy Act



- · 2SSB 5062
- Grants consumer rights:
 - Access, correction, deletion, data portability, and opt out to targeted advertising, sale of personal data, and profiling
- Provides exemptions for currently regulated information:
 - HIPAA, Common Rule, FCRA, Gramm-Leach-Bliley, Federal Driver's Privacy Protection Act, FERPA, Federal Farm Credit Act, employment records, COPPA
- Passed Senate 3-3-21



Washington Privacy Act

- Areas of debate:
 - Enforcement by AGO vs. Private Right of Action
 - Of Note: Virginia passed second consumer privacy law in U.S. (after CA). Known as the Consumer Data Protection Act
 - No Private Right of Action only AGO enforcement



People's Privacy Act



HB 1433 - Creating a charter of personal data rights.

- requires entities to provide clear and accessible data privacy policies,
- requires affirmative, opt-in consent for the collection and use of PII,
- prohibits companies from refusing to serve, or charge higher prices to, customers who choose not to allow the use of their PII,
- makes it unlawful for companies and government agencies to use people's PII to discriminate against them
- Private right of action
 - Introduced on 2-1-21; No hearing in policy committee



Data Broker Bill/Tax bill

- HB 1303 Personal information sale
- Concerning the regulation and taxation of the sale of Washingtonian's personal information and related data.
- The legislature finds that there are various businesses engaged in accumulating the personal data that is available to be collected on Washingtonians, aggregating or compiling that information, and reselling it without any compensation to the people of the state.
- Bill did not advance or receive a hearing



SHB 1455 – SSN disclosure by LNI and ESD (introduced 2-2-21)

- House Order of Consideration Report 2/24/2021 7:49:06 PM
- The following bills in the following order: HB 1455 Social security/L&I & ESD
- Passed House SHB 1455 96-0 2-24-21
- Hearing in Senate 3-10-21
- Requires LNI and ESD to examine current practices in which it discloses the full SSNs of persons in its correspondence with nongovernmental third parties.



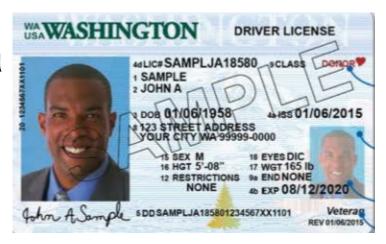
SB 5025 – Consumer Protection Act

- Greatly increases available fines/penalties under the CPA
- (twenty-five thousand dollars) \$215,000 injunction violation
- (one hundred thousand dollars) \$260,000 individuals
- shall pay a civil penalty of not more than (five hundred thousand dollars) \$1,300,000 - corporations
- (two thousand dollars) \$13,350 for each violation
- unlawful acts or practices that target or impact specific individuals or communities based on demographic characteristics... an enhanced penalty of \$10,000 shall apply
- Passed Senate 2-24-21; Hearing in House 3-10-21



Privacy Protection for driver data

DOL Request



 SSB 5152 – Enhancing data stewardship and privacy protections for vehicle and driver data

Passed Senate 3-3-21 (49-0)

Public Records related bills



- SHB 1074 overdose and suicide fatality reviews
 - Passed House 2-3-21/Hearing scheduled 3-12-21
- HB 1041 sunshine committee recs re juveniles
 - Passed House 3-2-21



- SHB 1068 Exempting election security information
 - Passed House 2-24-21; Scheduled for Hearing 3-12-21
- SB 5095 exemptions re concealed pistol licenses
 - Bill did not advance; no hearing
- SB 5303 Exempting FDA nonpublic information
 - Passed Senate 2-23-21; Scheduled for Hearing 3-10-21



COVID-19 Related bills



- HB 1127 Covid-19 health data privacy
- Protecting the privacy and security of COVID-19 health at data collected by entities other than public health agencies, health care care providers, and health care facilities.
- Bill puts several requirements on "covered organizations" including providing a privacy policy and collecting affirmative express consent; provide for method to withdraw consent
- Passed House 3-1-21; Scheduled for Hearing 3-10-21

COVID-19 Related bills



- SSB 5062 Washington Privacy Act
 - Sections 201 and 301

PART 2

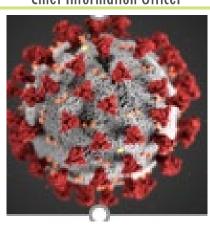
Data Privacy Regarding Public Health Emergency-Private Sector

PART 3

Data Privacy Regarding Public Health Emergency-Public Sector



- SB 5113 Making statutory changes to align with recent emergency orders to protect privacy
 - Bill did not advance; no hearing





Miscellaneous

- SB 5112 Requiring broadband internet access service providers to provide virtual private network service
 - Did not advance; Hearing on 1-21-21 in ENET
- E2SHB 1272 Concerning health system transparency Data collection re demographics to address disparities in patient access and health outcomes based on demographics
 - Passed House 2-25-21
- SHB 1109 Concerning victims of sexual assault
 - Passed House 2-25-21



Thank you

Questions?



Public Comment