

6. Provide the name, position, and place of employment for your spouse (if married) or domestic partner, and the names and ages of your children (including stepchildren and children by a previous marriage).
 - A. Elaine G. Petty (wife)
 - B. Professional Staff
 - C. Endowment for Community Leadership
 - D. No children. No stepchildren

7. List all college and graduate schools attended, whether or not you were granted a degree by the institution. Provide the name of the institution, the dates attended, the degree received, and the date of the degree.
 - A. Univ. of Alaska Fairbanks
 1. School of Engineering & Mining
 2. PhD: Doctor in Philosophy - May 2017
 3. attended: 2012 – 2017
 - B. University of Maryland Global Campus
 1. Business Management School
 2. Master's degree - April 1999
 3. attended: 1998-1999
 - C. Universiteit of Antwerpen, Belgium
 1. Business School
 2. (MS) Certificate w/ Univ. of Maryland
 3. attended: spring 1999
 - D. King's University, Texas
 1. Master's degree – May 1995
 2. attended: 1987 – 1995
 - E. Purdue University, Indiana
 1. Bachelor of Science – May 1987
 2. attended: 1984 – 1987
 - F. Taylor University, Indiana
 1. attended: 1982-1984 (transfer to Purdue U.)

8. List all post-undergraduate employment, including the job title, name of employer, and inclusive dates of employment, and highlight all management-level jobs held and any non-managerial jobs that relate to the position for which you are nominated.
 - A. U.S. House of Representatives
 1. House Committee on Transportation & Infrastructure
 2. Subcommittee: Water & Environment
 3. Senior Professional Staff

4. 2022- Present
 5. Chairman Sam Graves of Missouri
 6. Oversight & Authorization: for (USACE) U.S. Army Corps Engineers, (EPA) Environmental Protection Agency, partial (NOAA) National Oceanic & Atmospheric Administration, (USDA – NRCS) U.S. Department of Agriculture – National Resources Conservation Service, Great Lakes and Saint Lawrence Seaway (DOT).
- B. U.S. Senate
1. Senator James Risch (ID)
 2. Senior Advisor
 3. 2021-2022
 4. Natural Resources & Water
- C. U.S. Dept of the Interior
1. Secretary David Bernhardt
 2. Assistant Secretary of Water & Science
 3. 2018 – 2021
 4. Bureau of Reclamation & U.S. Geological Survey
- D. U.S. Senate
1. Senator James Risch (ID)
 2. Deputy Legislative Director
 3. 2009 – 2017
 4. Natural Resources & Water
- E. U.S. Dept of the Interior
1. Secretary Dirk Kempthorne
 2. Deputy Assistant Secretary of Water & Science
 3. 2006-2009
 4. Bureau of Reclamation & U.S. Geological Survey
- F. U.S. Senate
1. Senator Connie Mack (FL)
 2. Senator Rick Santorum (PA)
 3. Professional Staff
 4. 1999-2006
- G. U.S. Dept of Energy
1. Office of Nuclear Energy (NN-30)
 2. Professional Staff
 3. 1996-1998
- H. Professional Engineering Services (1988-1995)
1. Alton Geoscience

1. Hydrogeologist
2. Environmental Geoscience Engineering
 1. Staff Geologist
3. ICG Geotechnical Services
 1. Staff Geologist

9. Attach a copy of your resume.

1. Professional resume attached to document

10. List any advisory, consultative, honorary, or other part-time service or positions with Federal, State, or local governments, other than those listed above after 18 years of age.

1. Advisory: Duties, oversight, and responsibilities as Deputy Assistant Secretary and Assistant Secretary, Dept of Interior Water & Science
2. Consultative: Duties as a professional geotechnical engineer via my duties with engineering companies listed above.
3. Honorary: None
4. Part-time services: None

11. List all positions held as an officer, director, trustee, partner, proprietor, agent, representative, or consultant of any corporation, company, firm, partnership, or other business, enterprise, educational, or other institution.

1. Officer: None
2. Director: None
3. Trustee: None
4. Partner: None
5. Proprietor: None
6. Agent: None
7. Representative: None
8. Consultant Corporation: None
9. Consultant Company: Duties for engineering companies listed above
10. Consultant Firm: None
11. Consultant Partnership: None
12. Consultant Business: None
13. Consultant Enterprise: None
14. Consultant Education: None
15. Consultant Institution: None

12. List all memberships you have had after 18 years of age or currently hold with any civic, social, charitable, educational, political, professional, fraternal, benevolent or religiously affiliated organization, private club, or other membership organization (You do not have to list your religious affiliation or membership in a religious house of worship or institution). Include dates of membership and any positions you have held with any organization. Please note whether any such club or organization restricts membership on the basis of sex, race, color, religion, national origin, age, or disability.
1. Phi Kappa Phi Honor Society Member (since 2017)
 2. Golden Key International Honor Society Member (since 1995)
 3. American Geophysical Union Member (since 2014)
13. Have you ever been a candidate for and/or held a public office (elected, non-elected, or appointed)? If so, indicate whether any campaign has any outstanding debt, the amount, and whether you are personally liable for that debt.
1. No
14. List all memberships and offices held with and services rendered to, whether compensated or not, any political party or election committee within the past ten years. If you have held a paid position or served in a formal or official advisory position (whether compensated or not) in a political campaign within the past ten years, identify the particulars of the campaign, including the candidate, year of the campaign, and your title and responsibilities.
1. None
15. Itemize all political contributions to any individual, campaign organization, political party, political action committee, or similar entity of \$200 or more for the past ten years.
1. National Republican Committee
2025: 29 August: \$250;
2024: 18 October: \$10; 6August: \$50: 10June: \$10
2023: \$0;
2022: \$100;
2021: \$0; 2020: \$0; 2019: \$0; 2018: \$0; 2017: \$0; 2016: \$0;
2015: \$0
16. List all scholarships, fellowships, honorary degrees, honorary society memberships, military medals, and any other special recognition for outstanding service or achievements.

1. Scholarships: None
 2. Fellowship:
 1. National Academies Sciences (class of 2023-24)
 2. Sea Grant Fellow (summer 2015)
 3. Honorary Degrees: None
 4. Honorary Society Memberships:
 1. Phi Kappa Phi
 2. Golden Key
 5. Military: None
 6. Outstanding Service: 2 Federal Star Awards (2007 & 2008)
17. List all books, articles, columns, letters to the editor, Internet blog postings, or other publications you have authored, individually or with others. Include a link to each publication when possible. If a link is not available, provide a digital copy of the publication when available.
1. Books: None
 2. Articles: None
 3. Columns: None
 4. Letters to Editor: None
 5. Internet Blogs: None
 6. Publications:
 1. UAF Dissertation: "Flood Hazard Hydrology"
 1. <https://scholarworks.alaska.edu/handle/11122/7633>
 2. Springer: "Bridging policy and science action boundaries"
 1. <https://link.springer.com/article/10.1007/s11077-018-9311-y>
 3. JAWRA: "Streamflow Hydrology Estimates using Machine Learning"
 1. <https://doi.org/10.1111/1752-1688.12555>
 4. Journal of Geographic Information System: "Flood Forecasting GIS Water-Flow Visualization Enhancement (WaVE)"
 1. <https://www.scirp.org/journal/paperinformation?paperid=72935>
18. List all speeches, panel discussions, and presentations (e.g., PowerPoint) that you have given on topics relevant to the position for which you have been nominated. Include a link to each publication when possible. If a link is not available, provide a digital copy of the speech or presentation when available.

1. Senate ENR Nomination Hearing for Tim Petty (2017)
 1. <https://www.doi.gov/ocl/nomination-timothy-petty>
 2. Senate Budget presentation to House Appropriations Committee
 1. [ASWS Testimony on FY 2020 Budget Before the Senate Sub-Committee on Energy and Water Development](#)
 3. Senate Indian Affairs Committee
 1. https://www.indian.senate.gov/wp-content/uploads/6.24.20_ASPetty_Testimony_on_S_3019.pdf
 4. Senate subcommittee on Energy & Water Appropriations
 1. <https://www.appropriations.senate.gov/imo/media/doc/03.11.20--Petty%20Testimony.pdf>
19. List all public statements you have made during the past ten years, including statements in news articles and radio and podcasts and television appearances, which are on topics relevant to the position for which you have been nominated, including dates. Include a link to each statement when possible. If a link is not available, provide a digital copy of the statement when available.
- Statements & Interviews in news Articles:
1. Hydro Leader Magazine
 1. [Dr. Tim Petty on the New Water Management Executive Order - Hydro Leader](#)
 2. Senate ENR on CSKT Water Right testimony
 1. <https://flatheadbeacon.com/2020/06/27/bill-settle-cskt-water-rights-gains-senate-committee-support/>
 3. Municipal Water Leader article
 1. [Dr. Tim Petty: How the Water Subcabinet Promotes Progress - Municipal Water Leader Magazine](#)
 4. Justia Patents article notice
 1. [Timothy R. Petty Inventions, Patents and Patent Applications - Justia Patents Search](#)
 5. Idaho Statesman
 1. [Idaho Sen. Risch aide named to Interior water, science job | Idaho Statesman](#)
 6. U.S. Dept. of Interior announcement Co-Chair Drought Partnership
 1. <https://edit.doi.gov/pressreleases/interior-assistant-secretary-water-and-science-tim-petty-named-co-chair-national>
 7. California Water News Daily
 1. <https://californiawaternewsdaily.com/industry/president-trump-appoints-tim-petty-for-interior-department-secretary-zinke-cheers-the-nomination/>
 8. Radio: None
 9. Podcasts: None
 10. Television: None

20. List all digital platforms (including social media and other digital content sites) on which you currently or have formerly operated an account, regardless of whether or not the account was held in your name or an alias. Include the full name of an “alias” or “handle”, including the complete URL and username with hyperlinks, you have used on each of the named platforms. Indicate whether the account is active, deleted, or dormant. Include a link to each account if possible.

1. LinkedIn: [Tim Petty PhD | LinkedIn](https://www.linkedin.com/in/tim-petty-phd-5b46aaba/) (<https://www.linkedin.com/in/tim-petty-phd-5b46aaba/>)
2. WhatsApp: Phone calls only: name under “Tim Petty”
3. Facebook: None
4. Tik Tok: None
5. Telegram: None
6. Instagram: None
7. Snapchat: None
8. Twitter: None

21. Please identify each instance in which you have testified orally or in writing before Congress in a governmental or non-governmental capacity and specify the date, committee, and subject matter of each testimony.

9. Senate Energy & Natural Resources nomination written testimony

1. <https://www.energy.senate.gov/services/files/1AC9D7DB-808A-4ACA-88D0-26479B7C8117>

10. Senate Energy & Natural Resources testimony on H.R. 1967

1. <https://www.energy.senate.gov/services/files/92F18793-6965-435D-B35A-E1194724729C>

11. Senate Energy & Natural Resources Hearing (Dec. 5, 2017)

1. [Full Committee Hearing to Consider DOE, DOI Nominees - U.S. Senate Committee on Tim Petty.](#)
2. [Senate Hearing. 115-338 — Timothy Petty NOMINATIONS | Congress.gov | Library of Congress](#)

12. House Committee on Natural Resources Bio

1. https://naturalresources.house.gov/uploadedfiles/3.21_resume_petty.pdf

13. Budget presentation to House Appropriations Committee

1. [ASWS Testimony on FY 2020 Budget Before the Senate Sub-Committee on Energy and Water Development](#)

14. Senate subcommittee Energy & Natural Resources (S. 3001)

1. <https://www.energy.senate.gov/services/files/916FC45F-5A34-4515-B6F4-45741D357740>
2. <https://www.usbr.gov/newsroomold/testimony/detail.cfm?RecordID=3344>

15. Senate ENR Committee on WIFIA (June 13, 2018)

1. <https://www.energy.senate.gov/services/files/17C5D812-8409-43CE-841D-5C0DE04F6853>

22. Given the current mission, major programs, and major operational objectives of the department/agency/commission/corporation to which you have been nominated, what in your background or employment experience do you believe affirmatively qualifies you for appointment to the position for which you have been nominated, and why do you wish to serve in that position?

Response: My qualifications for the role of Assistant Secretary for NOAA are deeply rooted in my extensive background in water science and geoscience. My career spans both the private sector and significant roles within government, including work in Congressional offices for the Senate, a Committee for the House of Representatives, and service in two previous administrations at the Department of the Interior. This diverse experience directly aligns with NOAA's mission, major programs, and operational objectives.

NOAA's mission centers on understanding and predicting changes in oceans, coasts and weather, and safeguarding and managing coastal and marine ecosystems. My career reflects a strong alignment with these goals including:

Expertise in Water and Science Leadership and Continued Federal Leadership: As the Assistant Secretary for Water and Science at the U.S. Department of the Interior during the first Trump administration, I oversaw policy development for the Bureau of Reclamation and the U.S. Geological Survey. These agencies maintain close collaboration with NOAA, particularly in areas such as hydrology, coastal modeling, satellite imagery, remote sensing technology, biological surveys, research methodology, and ecosystem management. My executive experience also includes prior service as Deputy Assistant Secretary and Acting Assistant Secretary for Water and Science under President George W. Bush, demonstrating ongoing experience in these fields. These positions represent a background in federal leadership.

Policy and Legislative Experience: My policy background complements NOAA's operational objectives and includes Congressional Service as Senior Professional Staff for House Transportation and Infrastructure on the subcommittee for Water Resources and the Environment. Additionally, I

have served as Deputy Legislative Director and Legislative Assistant for Senator James Risch, Senator Rick Santorum, and Senator Connie Mack, focusing on issues related to water, natural resources, environment, science, and technology.

Field Experience in Geoscience and Hydrology: My field experience includes work as a geologist and hydrogeologist. These roles gave me hands-on expertise in water quality research, surface and subsurface hydrology, atmospheric weather, coastal research, and digital mapping—areas critical to NOAA’s environmental monitoring and coastal resilience efforts.

Academic and Technical Foundation: I hold a PhD in Water Science from the University of Alaska Fairbanks, an MS in Business Management from the University of Maryland, and a BS in Geosciences from Purdue University. This academic background provides a strong scientific and technical foundation that supports NOAA’s mandates.

Personal Motivation and Commitment: Finally, my personal motivation and commitment during my 26 years of federal service to the United States reveals a deep-rooted passion for water resources, atmospheric research, and environmental stewardship. Early experiences on a family farm in Indiana stimulated a fascination with water, biology, geology, and animal life. My aspiration for this role is grounded in a dedication to public service, scientific integrity, and advancing environmental sustainability.

23. What do you believe are your responsibilities, if confirmed, to ensure that the department/agency/commission/corporation has proper management and accounting controls, and what experience do you have in managing a large organization?

Response: If confirmed as the Assistant Secretary of Commerce for Oceans and Atmosphere, I believe my principal responsibility is to ensure that NOAA operates with integrity, transparency, and accountability. This involves establishing and maintaining robust management and accounting controls to safeguard public resources, promote efficiency, and uphold the trust placed in me by Congress and the American people.

I will prioritize strategic oversight of each of NOAA’s line offices, making certain that the agency’s mission—across ocean science, fisheries

management, biological survey and science, atmospheric advancement, and all areas of remote sensing technology and operations—is supported by sound governance structures as outlined by Congress. These structures will include clear performance metrics to measure progress and impact.

Collaboration with leadership and Chief Financial Officer will be central to my approach. Together, we will work to strengthen financial stewardship by implementing internal controls, enforcing compliance with federal financial regulations, and ensuring that reporting is both timely and accurate. I will review and implement management processes as necessary to identify and mitigate risks associated with critical operational platforms, financial impacts, and areas of concern within NOAA's priority mission areas. This will be especially important in high-impact sectors such as operational research, grant distribution, procurement, and the maintenance of science and data integrity—all with complete transparency for the American people.

With a workforce of over 12,000 NOAA employees, I will foster a culture of leadership, accountability, and innovation throughout all line offices. This includes investing in leadership development, streamlining decision-making processes, and ensuring every employee understands how their work contributes to NOAA's overall mission, purpose and need.

My previous experience includes leading large multidisciplinary teams in both the public and private sectors. In my prior role at the Department of Interior, I oversaw more than 14,000 employees across a comparable scale and complexity. My responsibilities there involved managing a multimillion-dollar budget, navigating federal compliance frameworks, and driving performance improvements across geographically dispersed units. Additionally, I have worked in science-driven environments where collaboration among researchers, technologists, and policy experts was essential—experience that closely aligns with NOAA's structure and culture.

Ultimately, I view this role not only as a managerial challenge, but as a stewardship opportunity. NOAA's work affects every American, from ocean health to weather forecasts, and I am committed to ensuring that our operations reflect the highest standards of public service.

24. What do you believe to be the top three challenges facing the department/agency/commission/corporation, and why?

Response: The National Oceanic and Atmospheric Administration (NOAA) encounters complex questions from various private, public, and congressional stakeholders regarding ocean and atmospheric issues. Adequate staffing and constrained financial resources continue to affect its operations. I believe the following are three significant challenges currently facing the agency:

- 1) Workforce: NOAA manages a staff with extensive expertise. Adjusting operational capacity and skills alongside emerging technologies remains ongoing. The key challenge is aligning workforce capabilities with mission priorities as determined by Congress. Maintaining institutional knowledge and continuity in scientific research is necessary, as is balancing credible science with established priorities.
- 2) Budget Resources: Congressional requirements and statutory mandates consistently put pressure on NOAA's budget. Upcoming fiscal years will require prioritization of funding for ocean research, fishery sustainability, coastal resource management, and atmospheric forecasting, all of which pose substantial demands on available funds.
- 3) Organizational Disruption: Changes in leadership can directly impact organizational structure. Addressing workforce and budget considerations may lead to modifications within NOAA and its relationships with private and commercial institutions. The agency will need to build upon established stewardship roles to forecast oceanic and atmospheric risks and incorporate new technology and datasets. Enhanced coordination will be necessary for NOAA to address both national and global environmental concerns.

These challenges are central to NOAA's responsibilities, affecting areas such as agriculture, fisheries, aviation, transportation, weather forecasting, coastal communities, and inland impacts.

B. POTENTIAL CONFLICTS OF INTEREST

1. Describe all financial arrangements, deferred compensation agreements, and other continuing dealings with business associates, clients, or customers. Please include information related to retirement accounts, such as a 401(k) or pension plan. (Please Note* Form 278e provided)
 1. Financial arrangements: None
 2. Deferred Compensation Agreements: None
 3. Business associates: None
 4. Clients: None
 5. Customers: None
 6. Retirement Accounts: TSP
 7. Pension Plan: FERS Retirement
2. Do you have any commitments or agreements, formal or informal, to maintain employment, affiliation, or practice with any business, association, or other organization during your appointment? If so, please explain.
 1. Agreements: None
 2. Affiliations: None
 3. Businesses: None
 4. Associations: None
 5. Organizations: None
3. Indicate any investments, obligations, liabilities, or other relationships which could involve potential conflicts of interest in the position to which you have been nominated. Explain how you will resolve each potential conflict of interest.
 1. Investments: None with potential conflicts of interest
 2. Obligations: None with potential conflicts of interest
 3. Liabilities: None with potential conflicts of interest
 4. Relationships: None with potential conflicts of interest
4. Describe any business relationship, dealing, or financial transaction which you have had during the last ten years, whether for yourself, on behalf of a client, or acting as an agent, that could in any way constitute or result in a possible conflict of interest in the position to which you have been nominated. Explain how you will resolve each potential conflict of interest.
 1. Business Relationships: None
 2. Business Dealings: None
 3. Financial Transactions: None

4. Behalf of a client: None
5. Acting as an Agent: None
5. Identify any other potential conflicts of interest and explain how you will resolve each potential conflict of interest.
 1. Other potential conflicts: None
6. Describe any activity during the past ten years, including the names of clients represented, in which you have been engaged for the purpose of directly or indirectly influencing the passage, defeat, or modification of any legislation or affecting the administration and execution of law or public policy.
 1. Activities, names of clients, legislation: None
 2. Activities, direct influence, legislation: None
 3. Activities, indirect influence, legislation: None
 4. Activities, affecting the administration & execution of law: None
 5. Activities, affecting the administration & execution of public policy: None

C. LEGAL MATTERS

1. Have you ever been disciplined or cited for a breach of ethics, professional misconduct, or retaliation by, or been the subject of a complaint to, any court, administrative agency, the Office of Special Counsel, an Inspector General, professional association, disciplinary committee, or other professional group?
 1. Legal discipline: No
 2. Breach of ethics: No
 3. Professional misconduct: No
 4. Retaliation: No
 5. Subject of a complaint: NoIf yes: (N/A - Nonapplicable for a-d)
 - a. Provide the name of the court, agency, association, committee, or group.
 - b. Provide the date the citation, disciplinary action, complaint, or personnel action was issued or initiated.
 - c. Describe the citation, disciplinary action, complaint, or personnel action;
 - d. Provide the results of the citation, disciplinary action, complaint, or personnel action.
2. Have you ever been investigated, arrested, charged, or held by any Federal, State, or other law enforcement authority of any Federal, State, county, municipal, or foreign government entity, other than for a minor traffic offense?
 - a. Yes, State of Virginia. Speeding ticket.
 - b. If so, please explain: July 2008, Fairfax County, VA, speeding ticket on motorcycle. 55 mph in 25 mph zone. Misdemeanor reckless for speeding. Speeding ticket disposed of October 2008.
3. Have you or any business or nonprofit of which you are or were an officer ever been involved as a party in an administrative agency proceeding, criminal proceeding, or civil litigation?
 1. No.
 2. If so, please explain. Not Applicable
4. Have you ever been convicted (including pleas of guilty or *nolo contendere*) of any criminal violation other than a minor traffic offense?
 1. Yes
 2. If so, please explain. July 2008, speeding ticket, plea of guilty for speeding in Fairfax Country, VA ticket for misdemeanor speeding.

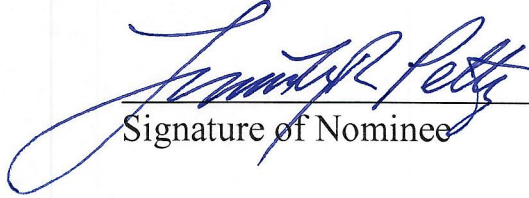
5. Have you ever been accused, formally or informally, of sexual assault, sexual harassment, or discrimination on the basis of sex, race, religion, or any other basis?
 1. No.
 2. If so, please explain. Not Applicable
6. Please advise the Committee of any additional information, favorable or unfavorable, which you feel should be disclosed in connection with your nomination.
 1. None.

D. RELATIONSHIP WITH COMMITTEE

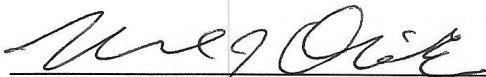
1. Will you ensure that your department/agency/commission/corporation complies with deadlines for information set by congressional committees, and that your department/agency/commission/corporation endeavors to timely comply with requests for information from individual Members of Congress, including requests from members in the minority? Yes.
2. Will you ensure that your department/agency/commission/corporation does whatever it can to protect congressional witnesses and whistleblowers from reprisal for their testimony and disclosures? Yes.
3. Will you cooperate in providing the Committee with requested witnesses, including technical experts and career employees, with firsthand knowledge of matters of interest to the Committee? Yes.
4. Are you willing to appear and testify before any duly constituted committee of the Congress on such occasions as you may be reasonably requested to do so? Yes.

F. AFFIDAVIT

Timothy R. Petty being duly sworn, hereby states that he/she has read and signed the foregoing Statement on Biographical and Financial Information and that the information provided therein is, to the best of his/her knowledge, current, accurate, and complete.


Signature of Nominee

Subscribed and sworn before me this 24th day of Sept, 2025.


Notary Public

Michael J. Orrick
Notary Public, District of Columbia
My Commission Expires 5/14/2028



TIMOTHY R. PETTY



EDUCATION

PhD	<i>Univ. of Alaska Fairbanks, Fairbanks, Engineering & Mining</i> Dissertation: “Flood Hazard Hydrology: Interdisciplinary Geospatial Preparedness and Policy” Committee: Dr. William Schnabel (chair), Dean of Engineering, UAF	May 2017
MS	<i>University of Maryland Global Campus, Business Management</i> Thesis: “M/A COM – Business Accounting Management Plan”	April 1999
MS	<i>Universiteit of Antwerpen, Belgium, Business Certificate</i> Thesis: “International Business Accounting Plan”	April 1999
BS	<i>Purdue University, West Lafayette, Indiana, Geoscience</i> Minored in Civil Engineering Technology	May 1987

PROFESSIONAL WORK EXPERIENCE

U.S. House of Representatives , Washington, D.C. House Committee on Transportation and Infrastructure Subcommittee: Water Resources and Environment Title: Senior Professional Staff • Oversight: U.S. Army Corps of Engineers & Environmental Protection Agency • Issues: Water Policy, Authorization, Budget and Appropriations • Skills: House and Senate negotiations for WRDA 2022 & 2024 Act • Responsibilities: Implementation for Member’s Water Projects • Security Clearance	Feb 2022 - Present
United States Senate , Washington, D.C. U.S. Senator James E. Risch (Idaho) Title: Senior Advisor • Issues: Water, Environment, Budget, Research, Public Lands & Agriculture Irrigation • Skills: Expert on Western Water Law and Eastern Riparian Water Law, & Policy • Security Clearance	Feb 2021 - Jan 2022

U.S. Department of the Interior, Washington, D.C.
Office of the Assistant Secretary for Water & Science

Jan 2018 - Jan 2021

Title: Assistant Secretary

- Presidential Appointment with Senate Confirmation requirements
- Direct Congressional leadership authority & oversight on Budget & Policy: Bureau of Reclamation & the U.S. Geological Survey (i.e.- FY'20 Budget(s): \$3.3Billion/yr. for 13,000+ employees)
- Chair of the Presidential Executive Order of the Water Sub-Cabinet on all interdisciplinary research for DOI-USGS/FWS/BLM/NPS, EPA-Water, USDA-NRCS, NOAA and USACE
- Executive Principal on the U.S. Global Change Research Program
- Security Clearance

United States Senate, Washington, D.C.
U.S. Senator James E. Risch (Idaho)

Feb 2009 - Dec 2017

Title: Deputy Legislative Director

- Policy oversight: water, environment, energy, natural resources, federal lands infrastructure, climate, agriculture, water resources, science, technology, space, NASA, commerce infrastructure, telecommunication, international waters
- Committees on which Senator Risch served: Energy and Natural Resources, Foreign Relations, Intelligence, Ethics, and Small Business
- Security Clearance

U.S. Department of the Interior, Washington, D.C.
Office of the Assistant Secretary for Water and Science

April 2006 - Jan 2009

Title: Deputy Assistant Secretary

- Presidential Appointment, Office of Presidential Personnel
- Direct policy oversight: US Geological Survey
- Geology, Water, Biology, Geospatial, Geography divisions
- FY'08 Budget oversight: \$1.3Billion for 8,700 USGS employees
- "Acting" Assistant Secretary for Water & Science (Dec 2007–April 2008) Direct report - Secretary Gale Norton & Dirk Kempthorne DOI
- Security Clearance

U.S. Senate, Washington, D.C.
Office of the Senate Republican Conference

Jan 1999 - May 2006

Title: Director of Communication Technology & Policy

*Senator Santorum (PA), Chairman – 2000 - 2006

*Senator Connie Mack (FL) Chairman – 1996- 2000

- Coordinated policy communications for all Senate offices regarding legislative bills, amendments, resolutions, and issued policy letters
- Designed & implemented new technology system reporting for legislative process

U.S. Department of Energy (DOE), Washington, D.C. DOE Office of Non-Proliferation/National Security (NN-30) Title: Professional Staff and Senior Analyst	1996 - 1998
• Administrated protocol on nuclear energy between USA and Russia • Analyzed data regarding contaminated water and science research • Security Clearance	
Hydrogeologist - Redlands & Irvine, California Title: Staff Geologist and Project Hydrogeologist	1988 - 1995
Petty Family Farms - Grant County, Indiana Title: Lifetime character builder	pre - 1987

HONORS AND AWARDS

National Academies Congressional Fellow Climate Crossroads Program – Science & Policy	2023 – 2024
United States Patent # US 11,238,356 B2 Method of Streamflow Data – AI & Machine Learning	February 2022
Assistant Secretary, Department of the Interior Presidential Appointment with Senate Confirmation	January 2018
NOAA SeaGrant – CUAHSI Research Fellow at Univ of Alabama National Water Center Innovators Program Summer Institute National Flood Interoperability Experiment - Framework Capstone Presentation: Streamflow Hydrology using Machine Learning	Summer 2015
“Star Award”, Department of the Interior Outstanding service as “Acting” Assistant Secretary for Water & Science	May 2008
“Star Award”, Department of the Interior Outstanding service while serving on the National Space-Based Positioning, Navigation, and Timing Executive Committee	July 2007
Deputy Assistant Secretary, Department of the Interior Presidential Appointment	April 2006
Enterprise Magazine Recipient Top 10 World Government Intranet Award US Senate Design Team Lead	June 2004

RESEARCH & PUBLICATIONS

Dissertation: “Flood Hazard Hydrology: Interdisciplinary Geospatial Preparedness and Policy”
University of Alaska Fairbanks, Fairbanks, Alaska, PhD diss., 2017.

Advisor: Dr. William Schnabel

Journal Papers Accepted:

- Petty, Timothy R., et al. "Flood forecasting GIS water-flow visualization enhancement (WaVE): A case study." *Journal of Geographic Information System* 8.06 (2016): 692.
- Petty, Timothy R., et al. "Bridging policy and science action boundaries: information influences on US congressional legislative key staff decision making in natural resources." Springer - *Policy Sciences* 51 (2018): 77-96.
- Petty, Timothy R. and Dhingra, P., 2018. Streamflow Hydrology Estimate Using Machine Learning (SHEM). *Journal of the American Water Resources Association* (JAWRA) 54(1): 55– 68.

PATENT:

Inventor: Petty, Timothy R., “Method of Predicting Streamflow Data,” Unites States Patent, No. US11238356B2. Granted: 2022-02-01. 27 Active Claims via patent.

OTHER

Citizenship: USA

Federal Clearance Status: Active (per request)

Recommendations provided per request

Addendum to the questionnaire submitted to the Senate Committee on Commerce, Science, and Transportation, 119th Congress by Timothy R. Petty

Part A, Q18 - Please add the following presentations and panelist discussions:

- i. [“Using GIS in the Senate”](#) – November 14, 2017 – Library of Congress
- ii. [“Senior Federal Agency Water Officials Panel – Improving Inter-agency Coordination for Water Supply Reliability”](#) – December 13, 2019 – Colorado River Water Users Association
- iii. [“Plenary Session 4: Integrated Geospatial Platform and Services: Towards a Digital Economy”](#) – January 13, 2020 – GeoBuiz Summit
- iv. [The Trump Water Subcabinet: “Decisions Made at the Speed of Trust”](#) – February 21, 2020 – Family Farm Alliance Conference
- v. [Rep. Dan Newhouse \(R-WA\) virtual roundtable on the Grand Coulee Dam](#) – August 12, 2020

Part A, Q21 - Please add the following statements before Congress:

- i. [March 14, 2018](#) – House Appropriations Committee, Energy and Water Development, and Related Agencies Subcommittee Hearing on The F.Y. 2019 U.S. Army Corps of Engineers and Bureau of Reclamation Budget
- ii. [March 22, 2018](#) – Senate Energy & Natural Resources Committee Hearing to Examine the 2018 Western Water Supply Outlook and Bills Related to Water Infrastructure and Drought Resiliency
- iii. [April 12, 2018](#) – House Committee on Natural Resources, Subcommittee on Water, Power, and Oceans Hearing on Examining the Proposed Fiscal Year 2019 Spending, Priorities and Missions of the Bureau of Reclamation and the Four Power Marketing Administrations
- iv. [April 18, 2018](#) – Senate Appropriations Committee, Subcommittee on Energy and Water Development Hearing on the FY2019 Budget Request for the U.S. Army Corps of Engineers & Bureau of Reclamation
- v. [March 27, 2019](#) – (Incorrectly linked to Senate testimony in questionnaire) House Appropriations Committee, Subcommittee on Energy and Water Development Hearing on Army Corps of Engineers and Bureau of Reclamation Fiscal 2020 Budget Request
- vi. [April 10, 2019](#) – Senate Appropriations Committee, Subcommittee on Energy and Water Development Hearing on FY2020 Budget Requests for Army Corps of Engineers & Bureau of Reclamation

vii. March 10, 2020 –House Appropriations Committee, Subcommittee on Energy and Water Development Hearing on U.S. Army Corps of Engineers and Bureau of Reclamation Budget Requests for FY2021

viii. June 24, 2020 – Senate Committee on Indian Affairs, Legislative Hearing to receive testimony on S. 2165, S. 2716, S. 2912, S. 3019, S. 3044, S. 3099 & S. 3100

In Part A, Q20 - Please add the following dormant LinkedIn account:

1. <https://www.linkedin.com/in/tim-petty-37770b4>

In Part A, Q10 - Please add that I served as co-chair of the National Drought Resilience Partnership.