Government Relations

Louise Suter, Fermilab

UEC Meeting, June 9th 2017

Summary of 2017 trip

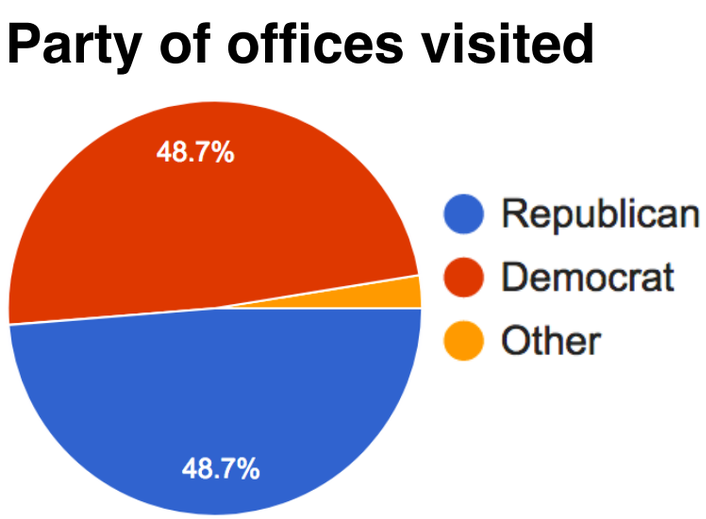
- 54 trip attendees
  - 24 from UEC,10 from SLUO,
    20 from USLA
  - Of which 24/54 are ‘young’ (grad students/ post docs) and 21/54 were women
- Contacted 78/100 senators. Meetings were scheduled with 69 offices **(69% of senate)**
- Contacted 338/435 congressional districts. Meeting scheduled with 307 **(70% of house)**
- None scheduled meetings don’t mainly correspond to actual ‘no’s’.
  - Some offices respond they are too busy and we arranged to drop off materials or do not respond at all.
- Trip 29-31st of March 2017

FNAL student and postdoc association on trip

Summary of 2017 trip

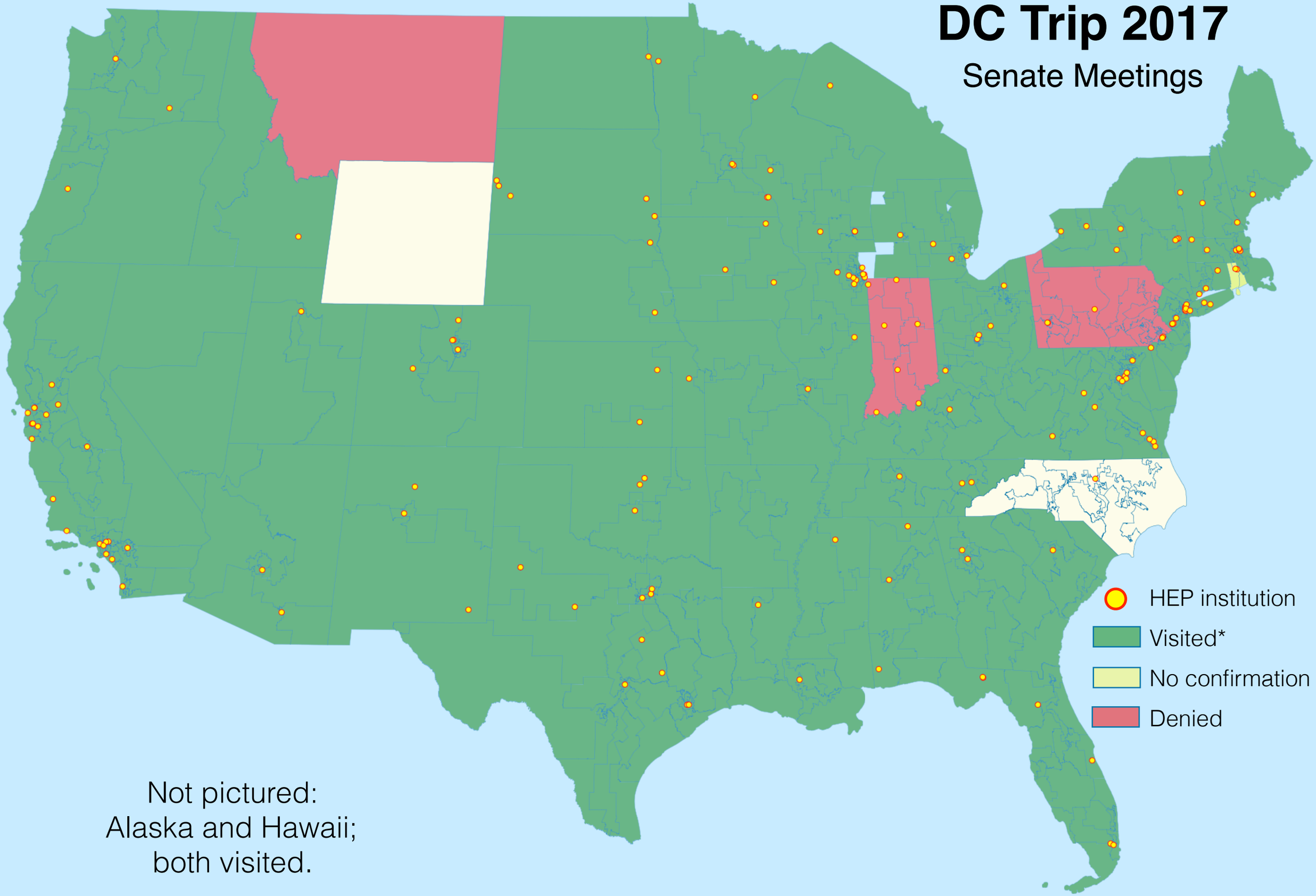
- Had meeting with all of the ‘big 8’ committees (first time). Thanks to Prof. Breese Quinn, Uni. of Mississippi who led the organization of these meetings
  - House Subcommittees
    - Approp: Commerce, Justice, Science
    - Approp: Energy & Water Development
    - Science, Space & Tech: Energy
    - Science, Space & Tech: R&T
  - Senate Subcommittees
    - Approp: Commerce, Justice, Science
    - Approp: Energy & Water Development
    - Commerce, Science, & Transportation: Space, Science and Competitiveness
    - Energy and Natural Resources: Energy

- Equal coverage of offices from both parties



DC Trip 2017

Senate Meetings



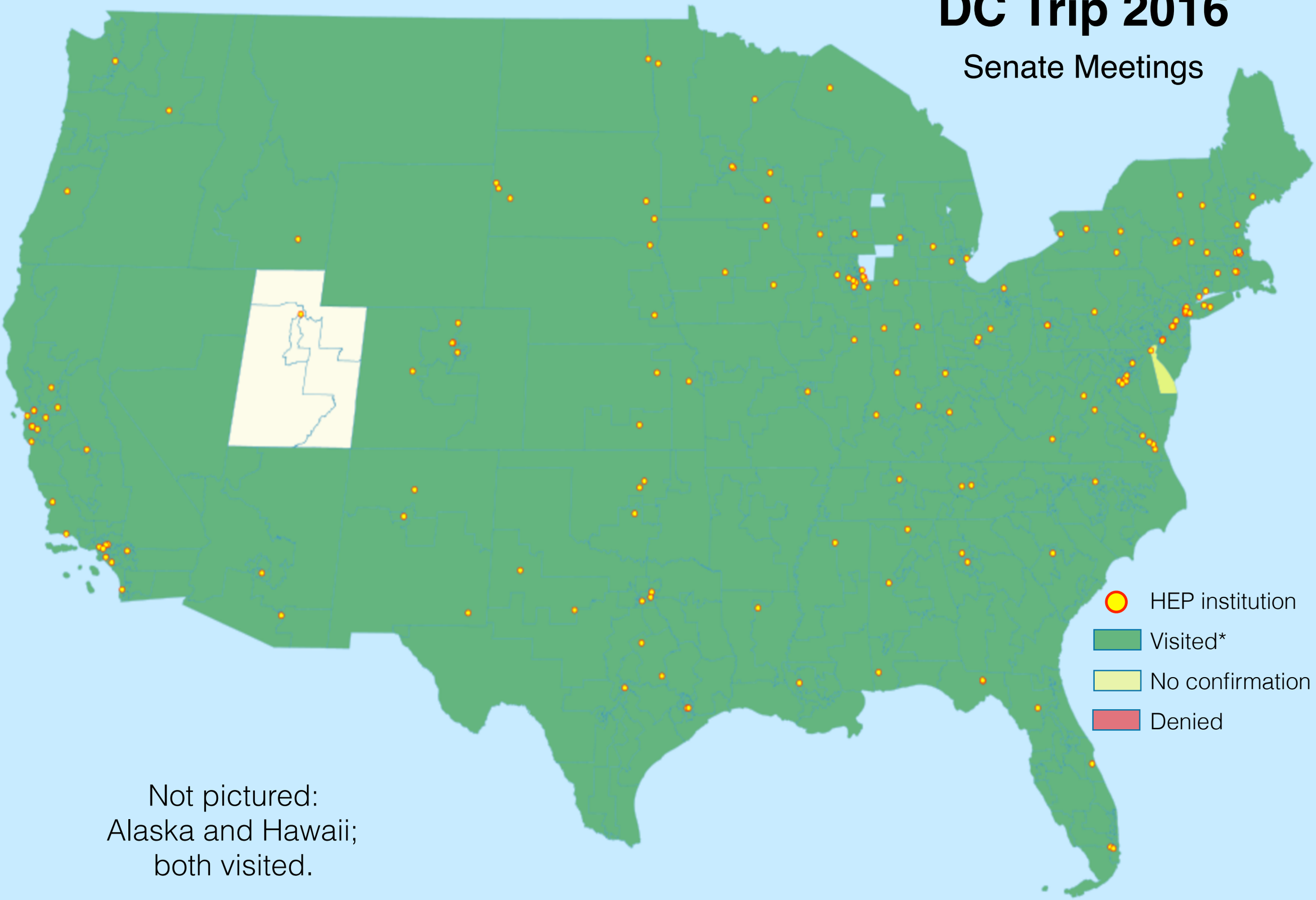
Not pictured:
Alaska and Hawaii;
both visited.

Maps from Jesus Orduna

* one *or* two Senators

DC Trip 2016

Senate Meetings



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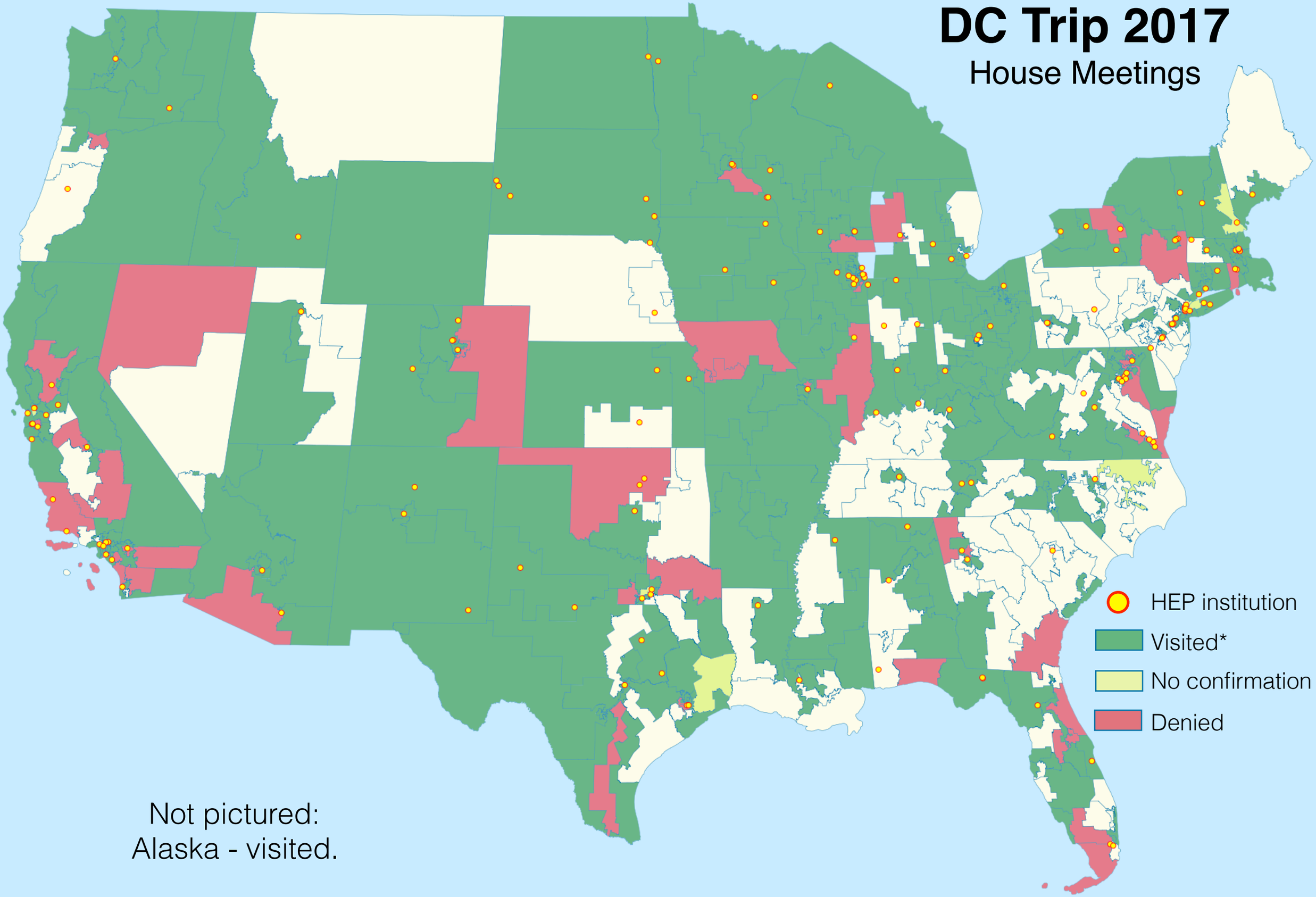
DC Trip 2017

House Meetings



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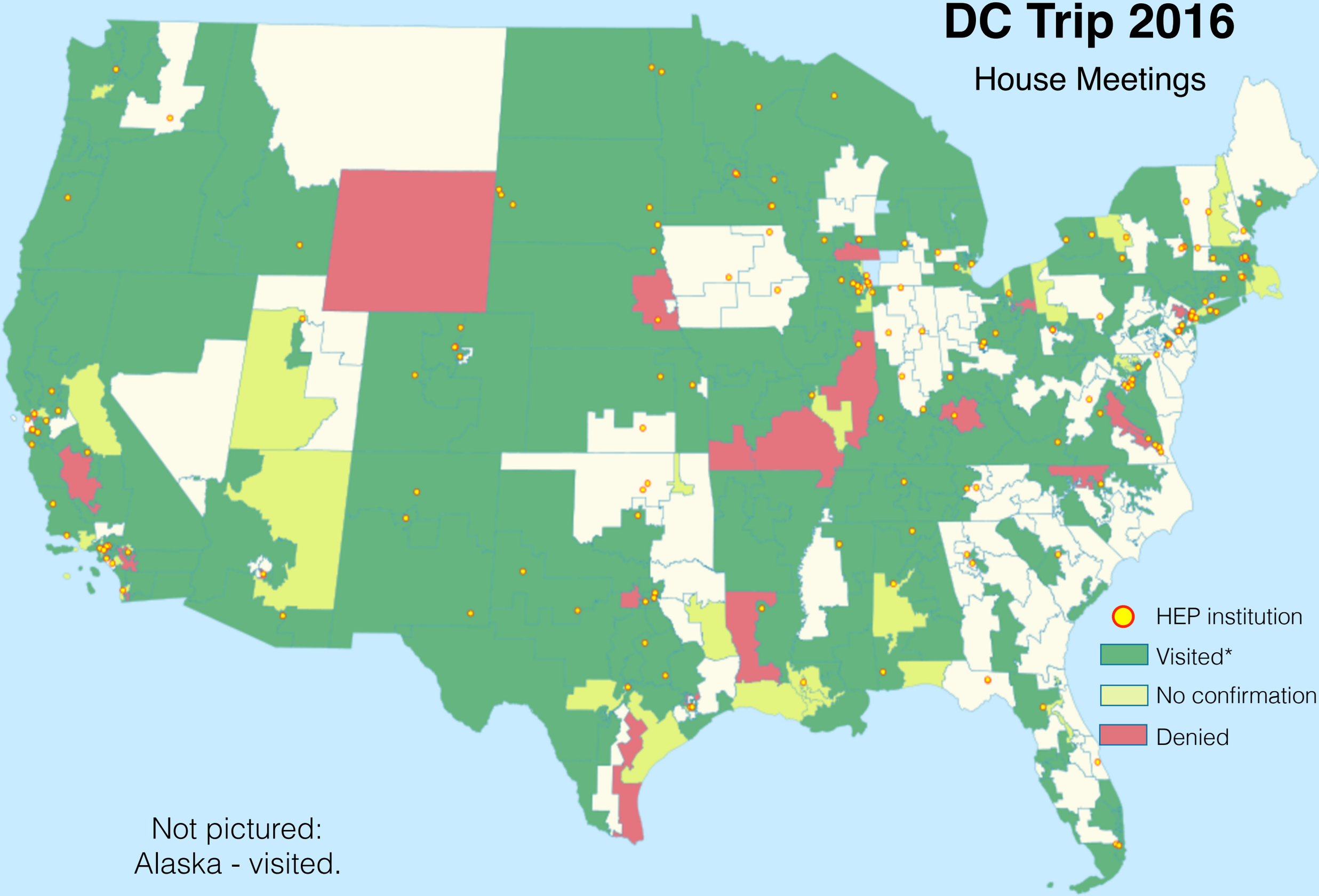
DC Trip 2016

House Meetings



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* one *or* two Senators

2018 Appropriations Community Letter

- A letter written by the FNAL, SLAC and US LHC users group and DPF Executive Committees was finalized and sent out to House and Senate Energy and Water Appropriations Committees last week.
  - House: Chairman Mike Simpson and Ranking Member Marcy Kaptur on Appropriations Subcommittee on Energy and Water Development (https://goo.gl/aOrxMR)
  - Senate: Chairman Lamar Alexander and Ranking Member Dianne Feinstein on Appropriations Subcommittee on Energy and Water Development (https://goo.gl/r6NKkX)

"As you prepare a fiscal year 2018 Energy and Water Development appropriations bill, we strongly urge you to provide $868 million for High Energy Physics in FY2018. This funding level is vital to maintain U.S. leadership in particle physics, move forward with world-class scientific projects, and meet scheduled commitments to our international partners.

We ask that the $868 million include support for construction of the Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment (LBNF/DUNE) at Fermilab, and for the upgraded High Luminosity Large Hadron Collider (HL-LHC) accelerator and experiments at CERN. "

APS physics DIVISION OF PARTICLES & FIELDS Fermilab UEC US LHC Users Association SLUO SLAC USERS ORGANIZATION

Community 2018 Appropriations House Letter

June 2, 2017

Chairman Mike Simpson
Subcommittee on Energy and Water Development
Committee on Appropriations
2362-B Rayburn House Office Building
Washington, D.C. 20515

Ranking Member Marcy Kaptur
Subcommittee on Energy and Water Development
Committee on Appropriations
1016 Longworth House Office
Washington, D.C. 20515

Dear Chairman Simpson and Ranking Member Kaptur:

We are writing on behalf of the U.S. community of approximately 6,000 scientists, engineers and students from 160 universities and DOE national labs that conducts research on high energy physics. We thank you for your continued support for the High Energy Physics (HEP) program in the DOE Office of Science. As you prepare a fiscal year 2018 Energy and Water Development appropriations bill, we strongly urge you to provide $868 million for High Energy Physics in FY2018. This funding level is vital to maintain U.S. leadership in particle physics, move forward with world-class scientific projects, and meet scheduled commitments to our international partners.

We ask that the $868 million include support for construction of the Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment (LBNF/DUNE) at Fermilab, and for the upgraded High Luminosity Large Hadron Collider (HL-LHC) accelerator and experiments at CERN. These are the two highest priority large projects, and critical to maintain U.S. leadership in particle physics over the next several decades. LBNF/DUNE is an international neutrino facility hosted in the U.S. This level of funding is needed to enable prototype detector construction with our international partners as well as to excavate underground caverns that will house the final neutrino detectors. Funding for the HL-LHC enables leading U.S. responsibilities including essential upgrades to the accelerator and experiments, to empower the next round of discoveries at the highest energies.

In addition to these major projects, the $868 million funding level will advance and support world-leading undertakings including the next generation dark matter and dark energy experiments which are critical to understanding what makes up our universe and what is causing its expansion, as well as particle physics and accelerator research at universities and DOE national labs across the U.S. Funding at this level would continue to drive forward the stream of innovations that result as we push the boundaries of technology development, from superconducting magnets, to accelerator-based medical treatment and biomedical research, to advanced scientific computing; innovations whose benefits improve the quality of our daily lives.

Our priorities are based on the 10-year strategic plan "Building for Discovery", also known as P5, that was developed by the High Energy Physics community in close consultation with our funding agencies. Our community has come together behind the P5 plan, its compelling comprehensive scientific vision, and the tough decisions made to fit the research program within the available funding envelope. Our community continues to achieve its groundbreaking scientific milestones, and has an excellent track record of delivering projects on time and on budget. Since the implementation of the P5 strategic plan in 2014, we have explored the nature of the Higgs boson and new states of four-quark matter with LHC experiments that have outperformed expectations, delivered the world's highest intensity neutrino beam, set the world's best constraints on dark matter, constructed a successful prototype of the strongest accelerator magnet ever built, and demonstrated multi-stage acceleration in laser-driven plasmas.

The President's budget request for FY2018 of $672.7M, an 18.5% cut below the FY2017 enacted level, falls far short of the funding needed for a healthy HEP program, and further short of a world-leading program. The PBR, if enacted, would have dire, long-term consequences both for our highest priority projects and for the field as a whole. The P5 report warned of the impact of such budgets on the field. Research would be severely compromised through reductions in scientific staff, failure to attract the best minds, and major cuts to operations of user facilities that support hundreds of scientists and students. Projects for future research, such as LBNF/DUNE, would be substantially delayed, and costs would increase. Existing international commitments, such as for the HL-LHC, would be jeopardized, and international partnerships that are fundamental to particle physics as a global field would be damaged, with lasting consequences. Training of the science and technology workforce would be dramatically reduced, and the inspiration and attraction to the public and the future workforce would be compromised.

Robust funding, at the $ 868M level, is necessary to build on recent progress. We are grateful for your continued leadership in funding this important field of science.

Professor Marcela Carena
Chair Division of Particles and Fields of the American Physical Society
Enrico Fermi Institute and Kavli Institute for Cosmological Physics
Department of Physics at The University of Chicago
5460 Ellis Ave.
Chicago, IL 60637

Professor Edward Kearns
Chair Fermilab Users Executive Committee
Boston University Physics Department
590 Commonwealth Ave.
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Professor Harvey B Newman
Chair US LHC Users Executive Committee
Charles C. Lauritsen Laboratory of High Energy Physics
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1200 East California Boulevard
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Dr. Nicola Omodei
Chair SLAC Users Organization Executive Committee
Hansen Experimental Physics Laboratory and
Kavli Institute for Particle Astrophysics and Cosmology
Stanford University
Stanford, CA 94035

https://goo.gl/aOrxMR

Community 2018 Appropriations Senate Letter

May 31st, 2017

Chairman Lamar Alexander
Subcommittee on Energy and Water Development
Committee on Appropriations
186 Dirksen Senate Office Building
Washington, D.C. 20510

Ranking Member Dianne Feinstein
Subcommittee on Energy and Water Development
Committee on Appropriations
188 Dirksen Senate Office Building
Washington, D.C. 20510

Dear Chairman Alexander and Ranking Member Feinstein:

We are writing on behalf of the U.S. community of approximately 6,000 scientists, engineers and students from 160 universities and DOE national labs that conducts research on high energy physics. We thank you for your continued support for the High Energy Physics (HEP) program in the DOE Office of Science. We are grateful for the letters you have already sent to President Trump supporting the DOE basic research programs. As you prepare a fiscal year 2018 Energy and Water Development appropriations bill, we strongly urge you to provide $868 million for High Energy Physics in FY2018. This funding level is vital to maintain U.S. leadership in particle physics, move forward with world-class scientific projects, and meet scheduled commitments to our international partners.

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https://goo.gl/r6NKkX

2018 Appropriations

- Need to determine the best way for us to do what we can to effect the 2018 Appropriations
- DPF plans to make the letter available to DPF members
    - Heard from Leland that Appropriations bills are nearly finalized
- As we heard already today should consider a Trip/Letters in October.
    - Aim for a much smaller trip, hitting key offices and committees
    - Coordinate this with the three users groups
    - Will need to apply for additional funds
- Talk at HEPAP was well received people were happy to hear about the new material and the community efforts
    - https://science.energy.gov/~/media/hep/hepap/pdf/201706/lsuter_communication_activites.pdf

Future planning for 2018 Users Trip

- We are in a good place for next years users DC trip, material produced should not need substantial changes
- Implementing improvements based on feedback received
  - Producing scripted example meetings and scenarios
  - Easier access to grant and procurement information per district
  - Bring a more balanced packet. Additional material in packet was focused largely on DOE projects, will bring more on NSF projects and astrophysics
  - Make tweaks to our congressional office matching algorithm. Modifying weights of personal connections and pre-meetings with that district.
  - Improve our coverage of offices, modernize our info, database?
  - Working to implement modern media into meetings, for example DUNE video and MicroBooNE and Atlas VR display

Wider HEP Communication Efforts Going Forward

- Can we help build community wide communication
  - Working on getting the new material out to the community
    - http://www.usparticlephysics.org/
  - Working on implementing year round efforts involving the whole community
- Determine the best way of communicating information with the whole community, possibly through DPF
- Build and provide the community the tools needed
  - Information on best times and ways to get involved
  - Information how to communicate about HEP to the general public, for example providing scenarios/talking points.
  - Provide tools that enables access to the information and tools that the users groups have put together to the wider community

Backup