Variables

1. TribeName: string; Federal Registry tribe name from with stripped of unicode characters and "previously known as"

2. FederalRegistry: tribe name verbatim from Federal Registry (2021).

3. State: string; state of tribe

4. AlaskaDummy: binary indicator for Alaskan tribes

5. UniqueIDNum: number; unqiue identifier for each tribe

6. StateOverlapDummy: binary; indicates whether a tribe spans multiple states

7. StateOverlapDetail: string; indicates which states a tribe spans across if StateOverlapDummy==1

8. StateOverlapnum: numerical; records the number of states if StateOverlapDummy==1

9. binary_action: binary; whether the tribe took any action regarding climate change

10. action_plan_other: binary;

11. action_assess: binary; whether a tribe released an assessment of climate change or enviornmental issues.

12. action_grant_g: binary; whether a tribe granted money for climate change/enviornemental purposes

    a. granted to unknown entity

    b. granted to university research

    c. granted to other NGO

13. action_grant_r: binary; whether a tribe received a grant from any of the entities listed below:

    a. Unknown grantor

    b. Federal government grantor

    c. State government grantor

    d. Local government grantor

    e. University grantor

    f. NGO grantor

    g. Other

14. action_legal: categorical; whether a tribe took non-litigation legal action in regards to climate change/enviornmental policy. Includes the following:

    a. Unknown action

    b. Amicus Briefs

    c. Hearings (federal)

    d. Hearings (state)

e. Hearings (local)

f. Notice and Comment

g. Other

15. action_conf_attend: binary; whether a tribe attended a conference (includes summits)

16. action_meet_attend: binary; whether a tribe attended a meeting (includes video chats)

17. action_wrkshp_attend: binary; whether a tribe attended a workshop (includes training sessions, video workshops)

18. action_conf_host: binary; whether a tribe hosted a conference (includes summits)

19. action_meet_host: binary; whether a tribe hosted a meeting (includes video chats)

20. action_wrkshp_host: binary; whether a tribe hosted a workshp (includes training sessions, video workshops)

21. action_organization: binary; whether a tribe is a member of an organization, group, treaty, incoporation, or otherwise.

22. action_orgmember_name

23. action_outreach: binary; whether a tribe took actions to education, inform, etc. to the community.

24. action_program: binary;

25. action_political: binary

26. action_grant_p: binary

27. action_resolution_nonpolicy: binary; whether a tribe released any non-policy resolutions

28. action_resolution_policy: binary; whether a tribe released any policy-making resolutions

29. action_resolution: binary; whether a tribe released any resolution (non-policy, policy, or unknown)

30. action_plan_adapt: binary; whether a tribe released an adaption plan for climate change or enviornmental issues

31. action_plan_hazard: binary; whether a tribe released an hazard mitigation plan.

32. action_plan_community: binary; whether a tribe released a community plan.

33. Low Cost; binary; low-cost actions.

34. High Cost: binary; high-cost actions.

35. Directory Name: directory in which coded links can be found.

36. cc0 through cc9: string; records the findings from the respective cc links;

a. na is not applicable (no information regarding climate change policy)

b. miss means the link-file is missing

c. br means that the link-file is broken, unreadable, or otherwise corrupted

     d.   a link-file is a direct repeat of another link-file for the same tribe when ``cc#'' is recorded; the findings from the link-file indicated in the cell also apply to the cell.

     e.   see Recording Findings section for further details.

37. cc_all: string; combines the string variables from cc0 to cc9 into single cell.

38. cc_notes: string; anything note-worthy about any of the cc links

Recording Findings

1. Generic Link Codes

     a.   br: broken link

     b.   miss: missing link

     c.   na: not applicable

          i.   na (health program): common document that looks at health but isn't related to cc

          ii.   na (Warner): there's a paper that pops up all the time by Warner

          iii.   na (directory): directories of names for enviornmental departments are common and coded as this

          iv.   cc#/env#/gw#: repeated link; the entered cc/gw/env is the record of first occurrence

2. plans

     a.   Adaption: plans that are titled or include in the title "adaption"; documents referring to actions taken as a result of adaption plans; adaption plans for a tribe conducted by an organization the target tribe is a member of; adaption plans created for a tribe by an outside entity that the tribe has hired; tribes recieving grants for the creation of adaptions plans are coded as having adaption plans. This does **not** include adaption plans created by outside entities who do not mention working with a tribe; adaption plans conducted about a region or non-tribal municipality/government entity that do not mention the tribe; or if the tribe receives a grant for traveling to an adaption planning workshop (this coding choice is due to uncertainty: a workshop may mean the process of crafting an adaption plan has begun or it may mean that the tribe is considering the creation of an adaption plan, but there's no guarantee the adaption plan will come to fruitition.

     b.   Hazard: plans titled or including in title "hazard mitigation plans", documents referrring to actions taken as a result of hazard mitigation plans,

     c.   Community: community-based plans for economic, cultural, and climate change policies and information. These must be directly authored by the tribe *or* authored by an non-tribal entity directly sponsored by the tribe. This does **not** include plans authored by an organization, regardless of if the tribe is a member, unless explicitly stated as "[Tribe Community: Developement Plan".

     d.   other: includes economic plans, health plans relating to climate change health problems, housing plans; also includes plans similar to community plans authored by organizations or non-tribe-specific entities.

3. outreach: binary; whether a tribe took actions to education, inform, etc. to the community

    a. includes internship programs, after-school programs, tribal newsletters; does *not* include individual interviews, op-eds, YouTube series, podcasts conducted by non-tribal organizations.

4. relocation: does not include potential reclocation

5. potential_reclocation: include studies done re: costs/feasibility of relocation

6. assess: whether a tribe released an assessment of climate change or enviornmental issues; does not include assessments conducted by the government, NGOs, or universities that were conducted without request and/or substantial involvement of the tribe(s) included in study; does include assessments carried out by NGOs/universities at the behest of tribes; does include assessments carried out by organizations that a tribe is a member of

7. grants

    a. grants_g: whether a tribe granted money for climate change/enviornemental purposes

        i. grants_g--unknown: granted to unknown entity

        ii. grants_g--uni: granted to university research

        iii. grant_g--NGO: granted to other NGO

    b. grant_r: whether atribe received money/grant

        i. grant_r--unknown: unknown grantor

        ii. grant_r--fedgov: federal govnerment grantor

        iii. grant_r--stategov: state govnerment grantor

        iv. grant_r--localgov: local government grantor

        v. grant_r--univ: unviersity grantor

        vi. grant_r--ngo: NGO grantor

    c. grant_p: the tribe proposed or submitted a proposal for funding

        i. grant_p--unknown: did not specify to whom it was proposed

        ii. grant_p--fedgov: proposed to federal govnerment

        iii. grant_p--stategov: proposed to state govnerment

        iv. grant_p--localgov: proposed to local government

        v. grant_p--univ: proposed to unviersity

        vi. grant_p--ngo: proposed to NGO

8. legal: whether a tribe took a non-litigation legal action in regards to climate change/enviornmental policy

    a. legal: unknown action

    b. legal--amicus: amicus brief filing

    c. legal--hearings (federal house/senate): hearings conducted before U.S. House or Senate

d. legal--hearings (state house/seante): hearings conducted at state house or senate level

e. legal--hearings (local): hearings conducted at local gov level

f. legal--noticecomment: bureucratic notice-and-comment

g. legal--other: any other legal action

9. Meetings, Conferences, and Workshops: whether a tribe attended or hosted a meeting, workshop, or conference; coded as attended if any member of a tribe attended the event; coded as hosted if the tribe's organization hosted the event, the event was physically located on tribal property, the tribe was solo-host, or the tribe was joint host with another entity; invitations

   a. meeting_attend: attending meeting

   b. meeting_host: hosting meeting

   c. wrksp_attend: attending workshop, webinar, or training sessions

   d. wrksp_host

   e. conferences_attend

   f. conferences_host

10. orgnization: string; records whether the tribe is part of an organization, treaty, association, etc. The format is ``organization (full org name)'' and the running list of organizations is shown in the Organizations section of this document. No abbreviations are used to refer to organizations.

11. political

    a. political--petition

    b. political--protest/rally: coder discretion--if news coverage interviewed a single member of a tribe involved in a protest/rally, but there was no other mention of tribal involvement, then *not* coded as protest/rally; if the tribal leaders spoke to the news about an event, it *is* coded as protest/rally; if it was a Big Event, such as a protest of the Keystone Pipeline, even a single tribal member mentioned in an interview *is* coded as protest/rally, provided that the tribe mentioned is one of the tribes involved in anti-Keystone Pipeline activity, as noted by existing knowledge (ie, MT, NE, SD as directly impacted and highly likely to have organized/endorsed tribal political protest/rally).

    c. political--lobby: *does not* include governmental requests for tribal consultation; does include mentions of tribal leaders who have ``encouraged'', ``sent letters'', ``or otherwise contacted government officials; does include mentions of ``substantial involvement'' with government[al] officials.

12. programs: whether tribe sponsored programs re: climate change; progam, project same here; does include programs (like solar panel installation) conducted by private enterprise on behalf of/for a tribe; importantly, the scope of the program is not reflected in this coding.

    a. programs--*specific type: s*pecific program purpose if not listed below

    b. programs: if no subtype, unknown subtype (indicated typically by grants for "climate change-related programs")

    c. programs--energy: general energy programs; includes non-residential energy-efficiency programs

d. programs--energy (water): water/hydoelectric programs

e. programs--energy (solar): solar programs; includes solar assessments

f. program--air: air monitoring, standards, other programs related to air quality

g. program--water: watershed, flooding, *or* water monitoring

h. program--grassforest: grassland, forest, praire, and other non-water/wetlands programs; wetlands and waterprograms constitute separate categories due to the different sources of funding, requirements, and systematic differences between the types of tribes implementing programs in each area

i. program--waste: recyling, waste reduction, waste processing, hazardous waste management; does not include hazard mitigation plans

j. program--monitor: assorted programs re: monitoring that are not specifically air, energy, or water *or* are monitoring overlapping areas

k. program--restoration: general restoration that is not included in wildlife, forestry, fish, etc

l. program--seeds: related to seed popgration *or* seed bank

m. program--garden: community gardens, small-scale residential agriculture programs

n. program--wildlife: repopulation, reintroduction, invasive species, refuge

o. program--fire: burning, fire prevention, fire consequences

p. program--fish: hatcheries, fish farms, fish monit/oring, preservation of fish habitat

q. program--house: green construction *or* individual-level home energy-saving strategies

13. resolutions: whether a tribe took action in the form of a resolution

a. resolution: an unknown type of resolution

b. resolution_nonpolicy: resoluations that do not create policy or regulations

c. resolution_policy: resoluations that create/affect policy, regulations, or formal governmental actions

14. study: participating, conducting, sponsoring, or otherwise in a research study; also includes research studies conducted by orgnaizations that a tribe is a member of. Some studies are common enough to receive their own designation.

a. study--Tribal Climate Change Efforts in AZ and NM (2010 Dec.)

b. study--Tribal Energy System Vulnerabilities to Climate Change and Extreme Weather

c. study--Water and Tribes Initiative (2018)

d. study: unknown researcher/institute

e. study--uni: university-conducted

f. study--fed: conducted by federal gov.

g. study--state: conducted by state gov.

h. study--NGO: conducted by NGO

       i. study--tribe: conducted by tribe

List of Organizations

1. organization
2. Affiliated Tribes of Northwest Indians
3. Alaskan Tribes
4. Alliance of Colonial Era Tribes
5. Bering Sea Alliance
6. Bering Strait Region
7. Bristol Bay Native Association
8. California Association of Tribal Governments
9. Central Council of the Tlingit and Haida Indian Tribes of Alaska
10. Chugach Regional Resources Commission
11. Climate Adaption Science Center
12. Columbia River Basin Tribes
13. Columbia River Inter-Tribal Fish Commission
14. Council of Athabascan Tribal Governments
15. Coachella Valley Aassociation of Governments
16. Glen Canyon Dam Adaption Plan Management Program
17. Great Basin Landscape Conservation Cooperative
18. Great Lakes Indian Fish & Wildlife Commission
19. Great LCC
20. Great Plains Tribal Water Alliance
21. Great Sioux Nation
22. Gwich'in Steering Committee
23. Haudenosaunee Confederacy
24. Hinthil Environmental Resources Consortium
25. ICLEI USA–Local Governments for Sustainability
26. Ihanktonwan Treaty Council
27. Indian Country Energy and Infrastructure Working Group
28. Intertribal Climate Consortium
29. Intertribal Council of Michigan

30. Intertribal COUP

31. Intertribal Sinkyone Wilderness Council

32. Kake Climate Partnership

33. Kawerak, Inc.

34. Kodiak Area Native Association

35. Kokipansi

36. LANL Trustee Council

37. Lomakatsi Restoration program

38. Middle Kuskokwim

39. National Tribal Air Association

40. Native American Environmental Protection Coalition

41. Native American Heritage Commission

42. Native Land Conservancy

43. Native Nations

44. Newhalen Village and Village of Iliamna

45. Nome Eskimo Community

46. Northeast Indigenous Climate Resilience Network

47. Northwest Indian Fisheries Commission

48. NW CSC - Columbia River Basin Tribes

49. Oceti Sakowin Power Authority

50. Oklahoma Kansas Tribal Coalition to Develop Climate Resilience

51. Pacific Northwest Tribal Climate Change Network

52. Rio Grande Cutthroat Conservation Team

53. San Luis Rey Indian Water Authority

54. Siskiyou Prescribed Burn Association

55. Skagit Climate Science Consortium

56. South Central SASC

57. Southeast Alaska Tribal Oceanic Research

58. Southwest Climate Change Initiative

59. Ten Tribes Partnership

60. The Great Lakes Indian Fish and Wildlife Commission

61. Thunder Valley Community Development Corporation

62. Treaty of Olympia Tribes

63. Tribal Air Resource Journal

64. Tribal Environmental Coalition: Prince of Wales Island

65. Tribal Nations

66. Two Row Wampum

67. United South and Eastern Tribes Inc.

68. Upper Columbia United Tribes

69. Upper Kuskokwim

70. Upper Snake River

71. Wabanaki Tribal Nations

72. We Are Still In

73. Wind River Inter-Tribal Council