CLIMATE CHANGE BEGINS AT HOME
CLIMATE CHANGE

- Big Picture
- Much closer to home
  - Rising Temperatures
  - Shifting Precipitation
  - Extreme Weather
- What can we do?
WHAT’S THE DIFFERENCE?

- **Climate Change**
  - The average long-term change of the Earth’s climate including changes in temperature, precipitation and wind patterns over a period of decades or longer.

- **Global Warming**
  - The increase in the Earth’s average surface temperature since the Industrial Revolution.
Window Rock, AZ (32 miles x 32 miles Grid)
Tuba City, AZ (32 miles x 32 miles Grid)
Average Precipitation On The Navajo Nation (January 2014)

Precipitation in Inches
- 0.00 - 0.06
- 0.06 - 0.13
- 0.13 - 0.19
- 0.19 - 0.26
- 0.26 - 0.33
- 0.33 - 0.39
- 0.39 - 0.46
- 0.46 - 0.52
- 0.52 - 0.59
- N N Rain Cans

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Map by: Linda Lee, 2014

(All the following maps) Navajo Nation Water Management Branch – Water Monitoring & Inventory Section
http://www.frontiernet.net/~nndwr_wmb/PDF/precipitation/Map_11_15.pdf
Average Precipitation On The Navajo Nation
(May 2014)
Average Precipitation On The Navajo Nation
(August 2014)

Precipitation in Inches
- 0.02 - 0.37
- 0.37 - 0.72
- 0.72 - 1.07
- 1.07 - 1.42
- 1.42 - 1.77
- 1.77 - 2.11
- 2.11 - 2.46
- 2.46 - 2.81
- 2.81 - 3.16
- N.N. Rain Cans

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Average Precipitation On The Navajo Nation
(November 2014, WY 2015)

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http://www.frontiernet.net/~nndwr_wmb/nn_allraincans_map.htm
PLAN AHEAD

• Use the data available
• How can it be incorporated/strengthened::
  • Land Use Plans
  • Management Plans
  • Continuation of Plans
    • Build and improve upon it
  • Where can citizens assist?

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GET INFORMED

- Be energy efficient
  - See the light
  - Turn down the heat
  - Turn off appliances at night
  - Cool wash and hang to dry
- Choose renewable power
- Eat wisely
  - Locally
  - Seasonably
  - Make meat a treat
- Trim your waste
  - Receive less junk mail
- Use water wisely
  - Don’t over-boil the kettle
START TAKING ACTION

- Recycle and use recycled products
- Green your commute (walk more)
- Fly less & Travel light
- Get involved
- Support and Donate
- Inflate your tires
- Plant native trees
LEAD BY EXAMPLE

• Be greener at the office
  • Adjust your computer power
• Get involved and educate others about the big picture
  • Encourage others to do the same
• Calculate your household’s carbon footprint
SPREAD THE WORD

- [https://www.youtube.com/watch?v=PPeVU6yYXHM&feature=youtu.be](https://www.youtube.com/watch?v=PPeVU6yYXHM&feature=youtu.be)
- “Thule Tuvalu” a film by Matthias Von Gunten
- WWA/CIRES Free Online Course on “Water in the Western United States” [https://www.coursera.org/course/waterwestUS](https://www.coursera.org/course/waterwestUS)
- World Wildlife Federation online training module at [www.wwfadapt.org](http://www.wwfadapt.org)
QUESTIONS/COMMENTS