

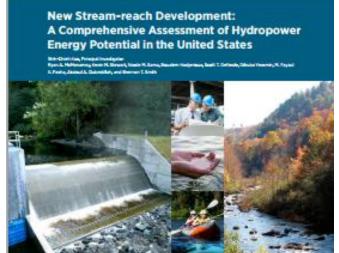
### Hydropower Potential Screening Study Gillian Charles GRAC 5/28/14



nwcouncil.org

### Latest Hydropower Potential Study Creating a Buzz

- 2014 DOE study on undeveloped stream reaches
- 84.7 GW undeveloped hydropower capacity in the US
- Highest potential found in the PNW (~25 GW)



WIND & WATER POWER TECHNOLOGIES OFFICE

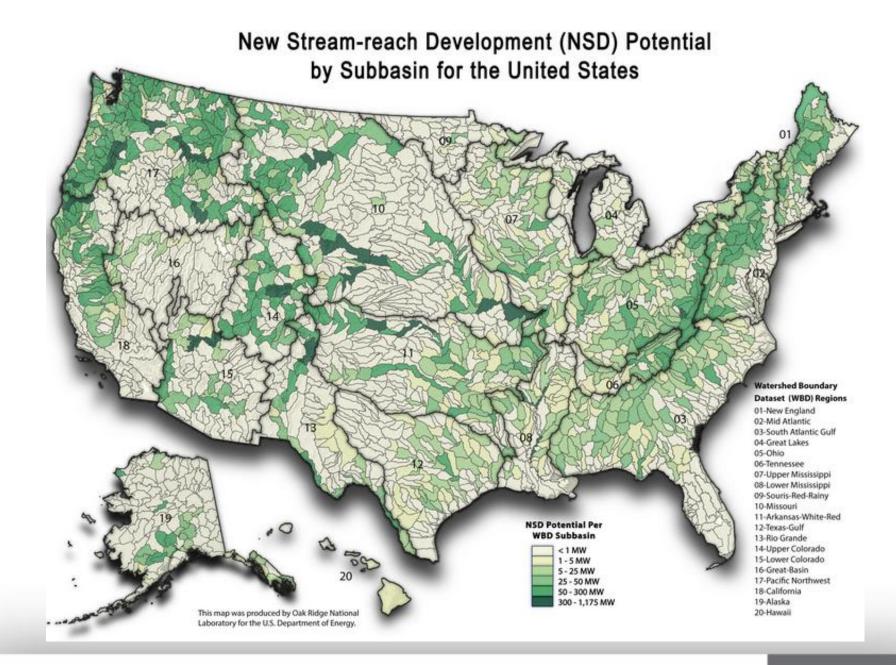
Program for the LL Department of Deeps Meet and Deep Schwingthe (Plan Redget Article Schwine 12 11 12

ENERGY Personal Energy

Presented by Calor Robert Address And Address Address Data Robert Address Address Address Recognition of Patient Address Recognition and Address Recognition and Address Recognition and Recognition and Address Recognition and Recog -

nwcouncil.ora

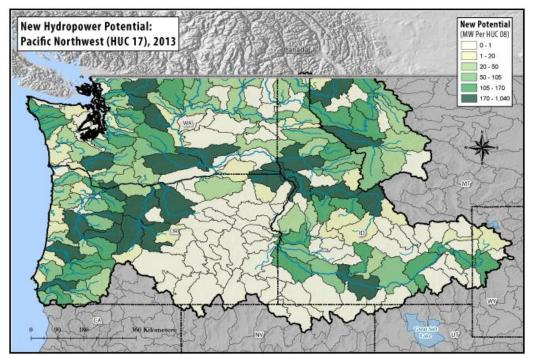






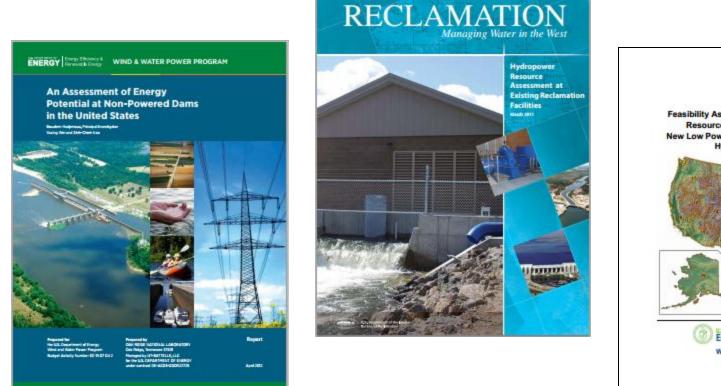
#### nwcouncil.org

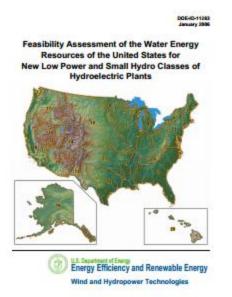
# Study claims that PNW has ~25GW new stream hydro potential



- ~ 16 GW Potential in undeveloped stream reaches >1 MW
- ~ 9 GW Potential in undeveloped stream reaches <1 MW
- ~33 GW Current existing hydropower in the PNW

### Studies at both National and Regional level over past decade





5



# Study Objectives

- Hire consultant to review inventory of recent studies and reports, characterize parameters used to determine potential, and draw conclusions
- Determine if reasonable assumption for hydropower potential in the PNW can be drawn from the various reports
  - Focus on new stream reaches, opportunities at existing non-powered dams, and upgrades at existing hydropower facilities

## Preliminary Schedule

- June 10 Present proposed study to Power Committee; release RFP
- Mid-July Select consultant; kick-off meeting
- September/October Conclude study; present results to Hydro Subgroup and/or GRAC; present to Council and determine next steps

nwcounc

