

Project Title: Heartland Alliance for Regional Transmission (Formerly Southwest Power Pool Collaborative)

Recipient: Climate and Energy Project, Inc.

Principal Investigator: Nancy Jackson

Address: PO Box 1858, Hutchinson, KS 67504

Phone: 785-331-8743

Email: jackson@climateandenergy.org

DOE Manager: Gary Nowakowski

Phone: 240-562-1732

Email: Gary.Nowakowski@ee.doe.gov

Contract Number: DE-EE0000508

Project Start Date: December 1, 2009

Project End Date: December 31, 2012

Notice: The following is a compilation of information from Quarterly Reports submitted to the Department of Energy's Office of Energy Efficiency Wind Energy Technology Office by Dorothy Barnett, Project Manager with Climate and Energy Project, Inc. The report has been uploaded to OSTI by DOE as a substitute for the required Final Technical Report which was never received from the project recipient.

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

Final Technical Progress Report

Federal Agency to which Report is submitted: DOE EERE – Wind & Water Power Program

Recipient: The Climate and Energy Project, Inc.

Award Number: DE-EE0000508

Project Title: Heartland Alliance for Regional Transmission (Formerly Southwest Power Pool Collaborative)

Project Period: 12/01/2009 & 12/31/12

Principle Investigator: Nancy Jackson, Board Chairman, jackson@climateandenergy.org & 785-331-8743

Report Submitted by: Dorothy Barnett, Executive Director, barnett@climateandenergy.org & 785-424-0444

Date of Report: May 15, 2017

Covering Period: 12/31/12

Report Frequency: Final Report

Working Partners: Dorothy Barnett – Project Manager 785-424-0444 barnett@climateandenergy.org,

Kate Van Cantfort – Project Coordinator 620-899-4883 vancantfort@climateandenergy.org

Nancy Jackson – Project Manager 785-331-8743 jackson@climateandenergy.org

Cost-Sharing Partners: None

DOE Project Team: DOE HQ Program Manager – Jose Zayas

DOE Field Contract Officer – Pamela Brodie

DOE Field Grants Management Specialist – Laura Merrick

DOE Field Project Officer – Dwight Bailey

DOE/CNV Project Monitor – Gretchen Fitzgerald Andrus

Signature of Submitting Official: Dorothy Barnett

ACCOMPLISHMENTS

Project Objective: The Heartland Alliance for Regional Transmission (HART) will foster a candid, productive conversation among stakeholders that identifies challenges to and benefits from a massive build out of wind generation and transmission across the Southwest Power Pool. Based on the outcomes of those deliberations, HART will develop and deliver an ambitious, coordinated, peer-to-peer outreach effort that spans the SPP to improve market acceptance for wind.

Project Goals:

- Representative, influential Steering Committee and participant group with expertise and networks to develop market acceptance;
- In-person meeting to identify issues, build a cohesive group, form productive work committees, inventory existing solutions and best practices, and brainstorm a way forward;
- Content-rich website on which to share sectorial, state, and regional information, analysis and studies plus best practices and policies, and on-the-ground successes;
- Engaging, appealing, data-rich materials that respond in real time to expressed community concerns;
- Innovative, strategic, collaborative outreach that includes traditional (industry and association newsletters, newspaper, radio, television) and new media (including Facebook, Twitter, blogs and other social networking tools), public forums, and cross-sector events; and
- Durable relationships across sectors and state lines that leverage one another to rapidly and substantially increase community readiness for wind across the SPP.

Goal Status: CEP continues to work with stakeholders to create materials reflective of the kind of information non-traditional stakeholders want and need to support transmission development and renewable energy. HART is becoming a respected organization in the Southwest Power Pool states and is working on the Action Plan created by stakeholders and available on our website www.heartlandtransmission.org.

Task 1.0 Stakeholder Identification/Interviews:

- i. Developed inventory of issues, challenges, benefits raised by stakeholder interviews
- ii. Representatives from Kansas, Missouri, Nebraska, Oklahoma, Texas, New Mexico, Arkansas
- iii. Unable to get participation from Louisiana
- iv. 28 non-traditional stakeholders sign on to HART

Task 2.0 Collaborative Meeting

- i. CEP planned and coordinated 25 stakeholders and eight expert panelists during 2-day convening in OKC
- ii. Finalized and presented a briefing book for stakeholder use while discussing advantages and disadvantages of traditional and renewable generation, efficiency and transmission.
- iii. Top lines from survey of stakeholders following day 1 - 95% of stakeholders want more wind and efficiency in energy mix – 76% want less coal. Most important impact to consider when choosing a generation source is water, 2nd most important is health effects related to pollution
- iv. Day two of the convening was split by constituency group to determine what information was needed to move forward. Three work groups were formed and the day was spent brainstorming a vision, goals, message topics, identifying champions and organizations to reach out to. This information was the basis for HART's Action Plan.

- v. In mid-March, stakeholders reviewed a draft and finalized the Action Plan, elected co-chairs for each work group and set timeline to move forward.
- vi. CEP updated the www.heartlandtransmission.org website to reflect the material from the in person convening. HART calendar is updated to include events relating to the SPP, EIPC and WPA meetings and webinars.
- vii. Additionally, stakeholders were invited to participate in an internal collaboration tool – Comindwork, where material can be shared and commented on, files can be stored and communication can be tracked.
- viii. Several stakeholders and project manager attended the WPA regional stakeholder meeting in Nebraska on March 29th to share the action plan for HART and discuss how other states might become engaged.

Task 3.0 Coordination of Workgroups

- i. 11 Monthly HART conference calls held with all stakeholders to share information about each state's renewables and transmission activities
- ii. 28 Monthly workgroup conference calls held for each workgroup – Mayors/County Commissioners/Landowners, Chambers/Economic Development, Clean Energy Advocates/Educators/Associations to drill down on specific topic issues for each group
- iii. HART stakeholders attend SPP meetings to increase understanding of planning process and their potential role
- iv. Difficult to maintain HART participation only via conference calls – worked to find other opportunities for in person communication
- v. Stakeholders reviewed peer to peer outreach materials in focus groups
- vi. HART stakeholders had their second face-to-face meeting in OKC attended by 25 stakeholders on April 22nd. Stakeholders participated in panels on public acceptance from AWEA, wind farm siting from NREL, OK First – Governor's Energy Plan and Stakeholder Value and Success examples from Western Grid Group. Following the HART meeting, stakeholders attended the Southwest Power Pool Regional State Committee and Board of Director's meetings.

Task 4.0 Coordination of Outreach

- i. CEP along with HART Stakeholders partnered with the Energy Future Coalition to host a Regional Transmission Conference – Heartland Transmission Conference- HTC (report attached as an addendum)
- ii. HTC kicked off by Governor Brownback, featured keynotes from FERC Commissioner Marc Spitzer and Siemens Wind Energy
- iii. HTC attended by 150 in person policy makers, industry professionals and non-traditional stakeholders another 150 attended via live web stream
- iv. Over 100 local, regional and national stories on clean energy transmission and economic impacts
- v. Continued monthly stakeholder conference calls to finalize outreach materials and begin plans for state outreach.

Task 5.0 Project Management and Reporting

- i. This month's reports we're submitted in a timely manner.

Final: CEP staff wrapped up this project on 12/31/12. No additional support or funding was available.

Despite no additional funding, HART's presence is still discussed as a standard for stakeholder engagement at the Southwest Power Pool.

PRODUCTS / DELIVERABLES

Products / Deliverables:

- Convened Steering Committee to Wind Technology Center, Colorado 12 people - Jan 28th
- Project Coordinator and Project Manager to DC for NWCC Transmission Meeting – Feb 22nd
- Project Coordinator and Project Manager to Little Rock to meet with SPP staff – Mar 8th
- Project Coordinator to Eastern Interconnect Planning Collaborative in St. Louis to monitor progress – Apr 22th
- Project Coordinator and Project Manager to OKC for SPP Regional State Committee meeting and Board/Member meeting to engage states for stakeholder process – Apr 26th Project Coordinator and Project Manager to Wind Powering America Summit in Dallas – May 26th
- Project Coordinator to facilitation training in Atlanta – June 22nd
- Project Coordinator presented Heartland Alliance update to Kansas Electric Transmission Authority (KETA) – Topeka, July 12th
- Project Coordinator to EIPC meeting in Chicago as a member of the NGO Caucus – engaging other potential stakeholders, experts for convening. Gathering first-hand information to translate to non-traditional stakeholders – July 14th
- Project Coordinator to Omaha for SPP Regional State Committee meeting and Board/Member meeting to engage states for stakeholder process – July 26
- Project Coordinator to ELPIC meeting in Chicago to attend Transmission 102 Training Session focused on the "nuts and bolts" of transmission law, policy, technical, ratemaking and other economic issues – September 29
- Project Coordinator to EIPC meeting in DC as a member of NGO Caucus, continuing to engage additional stakeholders and experts for convening. Gathering more first-hand information for stakeholder translation – October 12-14
- Project Coordinator to Nebraska Wind Conference – met with Nebraska Stakeholders to finalize meeting details, encourage participation at in person OKC convening, answer questions about who CEP is and what the agenda for the OKC convening would be about – November 9-11
- Stakeholders, panelists and CEP staff to OKC for in person convening – January 13-15
- Project Manager and Project Coordinator to AWEA Wind and Transmission Workshop in Omaha, NE to engage additional stakeholders for HART – February 8-9 Project Manager to EIPC meeting as representative of NGO caucus – March 28-29
- Project Coordinator to WPA Regional meeting in Lincoln NE to share HART project and perhaps engage additional states for a larger project – March 29th
- Project Coordinator and one two HART stakeholders to SPP RSC/Board meeting in OK
- Project Coordinator and three HART stakeholders to WindPower to recruit additional stakeholder participants
- Project Coordinator and three HART stakeholders to SPP RSC/Board meeting in KC
- CEP/HART stakeholders coordinate and host Heartland Transmission Conference
- Heartland Transmission Conference videos at <http://cleanenergytransmission.org/htcwebcast/>
- Economic Impacts of Transmission Webinar for stakeholders and the public
- Production Tax Credit Webinar for stakeholders and the public
- Coordinated and planned face to face stakeholder meeting for 25 stakeholders and guests
- Created 12 stakeholder fact sheets based on feedback from participants

Patents: None

PARTICIPANTS & OTHER COLLABORATING ORGANIZATIONS

Individuals: None

Organizations: Energy Future Coalition, Hutchinson Community College, Hutchinson/Reno County Chamber of Commerce, Hutchinson Convention Visitors Bureau, Clean Line Energy, Westar Energy, ITC Great Plains, Siemens Wind Energy

Provide the following for each partnership:

Energy Future Coalition

- Financial support - \$10,000 for Heartland Transmission Conference
- In-kind support – staff, website hosting of conference videos
- Hutchinson Community College
 - Facilities
- Hutchinson/Reno County Chamber of Commerce
 - Financial support - \$250 for Heartland Transmission Conference
- Hutchinson Convention Visitors Bureau
 - Financial support - \$250 for Heartland Transmission Conference
- Clean Line Energy
 - Financial support - \$750 for Heartland Transmission Conference
- Westar Energy
 - Financial support - \$750 for Heartland Transmission Conference
- ITC Great Plains
 - Financial support - \$750 for Heartland Transmission Conference
- Siemens Wind Energy
 - Facilities Tour

During the face to face meeting in OKC, several panelists gave time and travel to attend:

- AWEA
 - In kind support - travel, lodging and time to participate as a panelist
- NREL
 - In kind support – travel lodging and time to participate as a panelist
- Western Grid Group
 - In kind support – time to participate as a panelist
- Oklahoma Secretary of Energy's office
 - In kind support – time to participate as a panelist

CHANGES / PROBLEMS

None – final report