



USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Afghan Clean Energy Program

By: Mohammad Arif Arghoshi

Oct 07, 2009



USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Objectives

- To foster energy independence and development.
- Promotion of energy efficiency.
- Development of Afghan businesses.
- Build and develop local capacity and MEW capacity.



photo by Mel@ByExample.com



2008 11 13



USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Three Major Components of ACEP

Renewable energy (installation and/or rehabilitation of renewable energy systems).

Energy Efficiency and Demand Side Management (DSM) implementation.

Build capacity and support policy.



USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Component One, Renewable Energy

- Feasibility assessments for proposed sites.
- Installation and rehabilitation of the micro-hydro, solar and wind-power systems.
- Training five community members as operators.
- Capacity building.
- Assess grid connected renewable energy systems.
- Rehabilitate 3 mini and small hydro power plants.



USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Micro Hydro Power

43 micro-hydro systems (10 – 100 kW).

100 existing MHP rehabilitated.





USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Solar

42 solar systems installed (100 W – 50 kW)





USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Wind

15 wind powered systems (0.5 – 50 kW)

132 wind power irrigation pumps (500 W)





USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Component Two

- Assess energy demand and consumption patterns.
- Develop energy efficiency strategy and multi-year work plan.

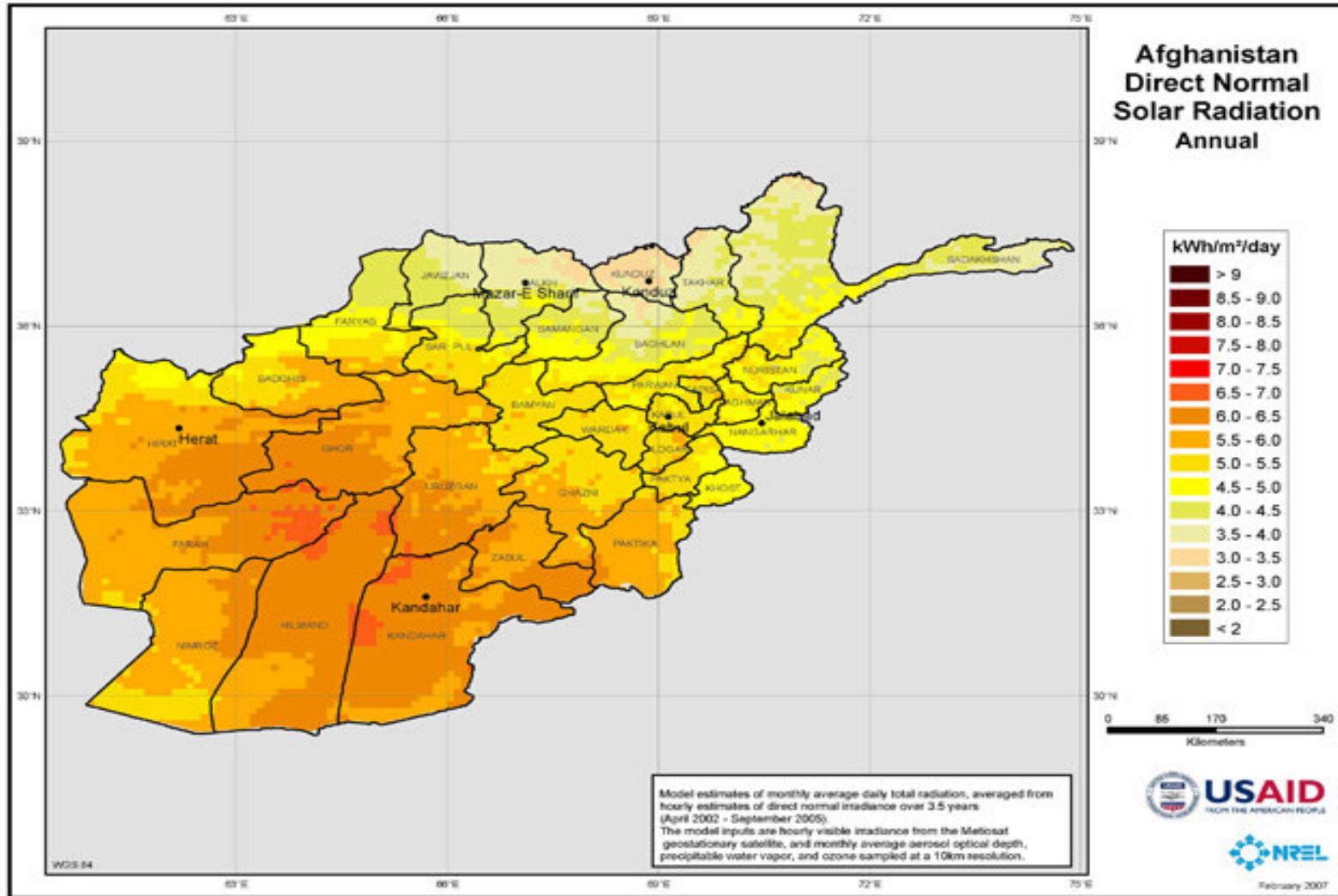
Component Three

- Build capacity in MEW and support policy.



USAID
FROM THE AMERICAN PEOPLE

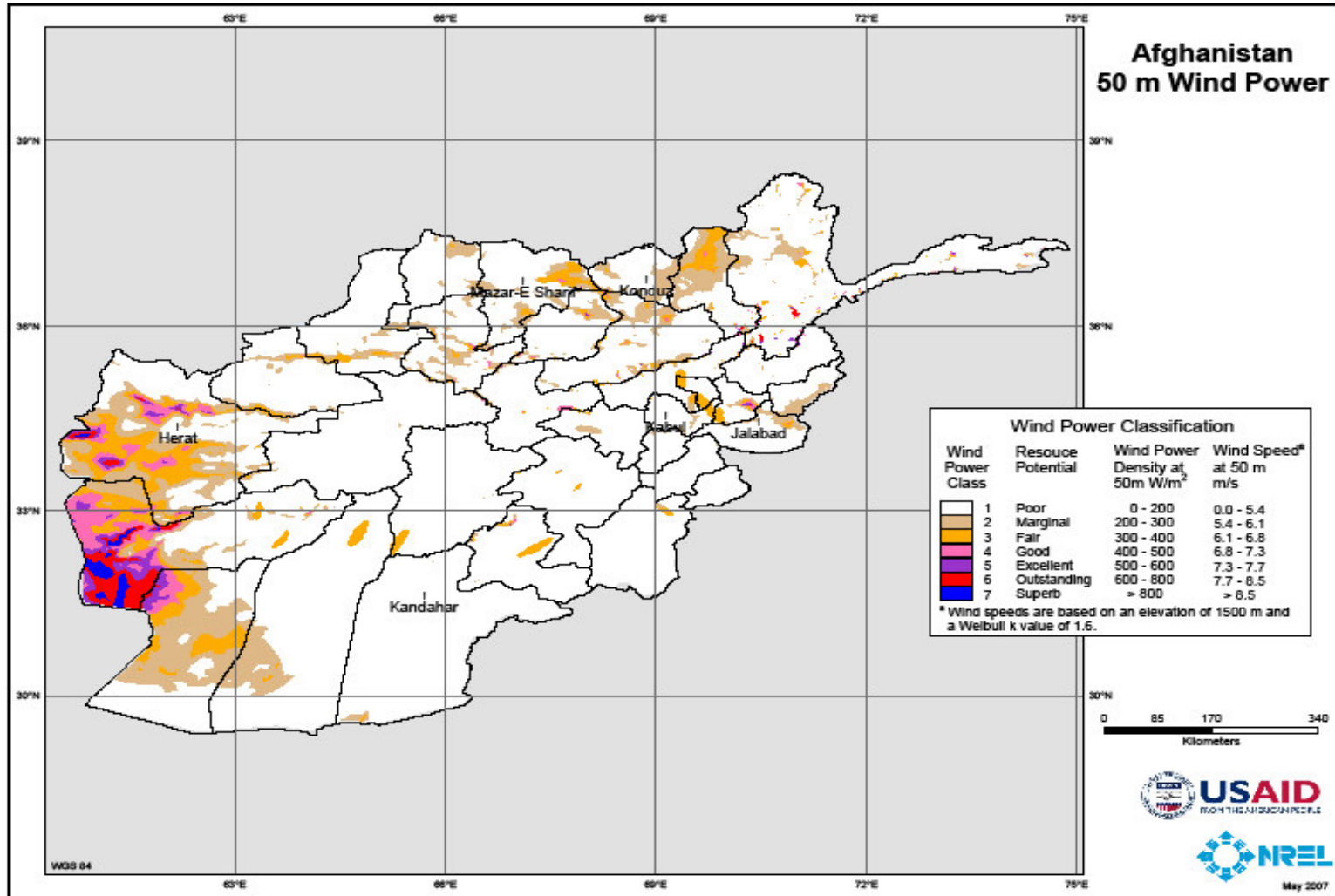
AFGHANISTAN





USAID | AFGHANISTAN

FROM THE AMERICAN PEOPLE





USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

PRTs and ACEP Work Together as a Team

- Provide local knowledge of conditions and stakeholders
- Assess security status of potential sites
- Recommend communities through Project Nomination Form
- Guide the contractor in interacting with the community leaders and local government
- Help structure the agreement to be signed
- Assist the contractor to develop an appropriate cost recovery mechanism and tariff level



USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

PRT Process to Nominate Sites

- PRTs nominates to RC-E
- Submitted quarterly October 1, January 1, April 1, and July 1.
- RC Committee reviews and nominate to Kabul within two weeks.
- COTR works through RC and PRT to arrange detailed assessment.
- COTR and PRT reviews assessment and consults with stakeholders.
- Agreement signed among key stakeholders.
- Design and implementation of project begins.
- Contacts:

Rasool Wardak and Deb Adelsperger

USAID Afghanistan

Office of Infrastructure,
Engineering, and Energy



USAID
FROM THE AMERICAN PEOPLE

AFGHANISTAN

Thanks