

PLANNING SCHEMA FOR ENERGY POLICY FOR CLIMATE CHANGE

(For energy, everything *is* related to everything else!)

AIMS

Earth first, people second, and fairness as the guiding principle
Get off fossil fuels ASAP (2040), replace with 100% renewables
So much change is entailed, achieve social justice simultaneously
Hold harmless any negatively affected

STAKEHOLDERS

Ultimate stakeholders: Maine's *peoples* now . . . and much later
and Maine as a *place* now . . . and much later
Instrumental stakeholders: energy workers and enterprises (e.g., those in
indigenous energy, fossil fuels, electricians, plumbers, construction, etc.)

POLITICAL CONTEXT

Leadership can come from individuals, localities, *and* the 'center'
Fractionalized administrative/legislative energy policy structures
Widespread ignorance about ecology, climate change, and energy
principles, practices, and possibilities
Legislative committee structure unsuited to complex scientific,
technical, and interactive issues
The often fraught interplay of "citizen legislators," parties, leadership
quests, personal friction, term limits, inadequate non-partisan policy
support, and lobbyists as 'institutional memories'

STRATEGIES

Increase energy efficiency everywhere - "negawatts"
Exchange electrification for combustion
Decentralized multi-source power generation
Inspire and incentivize individual and local solutions
In schools and for the broader public, intensive education
on energy and climate
Encompass those who can't afford and those who will
face dislocation

INDIGENOUS ENERGY SOURCES

Wind
Geo-thermal
Tidal
Bio-mass

Solar
Hydro
Bio-gas
Other

SECTORS

Houses and buildings
Agriculture/forestry
Transportation
Industry
Decentralized generation
Government/ corporate interface?

CHALLENGES

Storage of energy that is generated intermittently
Managing load and demand of indigenous energy
Stimulating individual and local initiative, learning
from, and capitalizing on it
Conceptualizing "magnanimity" and "social justice" for
those who'll be displaced and been previously
excluded (and mindful of the evolution of democracy
into corporatocracy)
Staying the course for *decades* (with mid-course
corrections)

TIME FRAMES

Now 2019

10 years 2029	30 years 2049
20 years 2039	40 years 2059

ECONOMIC/FINANCIAL

Redirect the billions Mainers annually
spend elsewhere on fossil fuels
Keep the money here for indigenous energy,
infrastructure, and labor
With those billions in mind, work out the borrowing,
investment and payback strategies to accomplish the aims



SOCIAL JUSTICE

DATA

SCIENCE

IMAGINATION

LOGIC

RESOLVE

MAGNANIMITY

(CONTINUOUS APPLICATION OF ALL SEVEN DISCIPLINES AND DISPOSITIONS)