

Local Governments: Making a Difference

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Local Governments: Making a Difference

- Local action matters
- Local governments are leaders
- Overcoming Challenges – Bettering their Communities
 - Environment
 - Economy
 - Quality of life
- Locals need support from all of us to succeed

Local Governments Matter

- Every day, local governments make decisions that impact
 - energy security and reliability,
 - air quality,
 - greenhouse gas emissions,
 - economic development,
 - public health,
 - quality of life

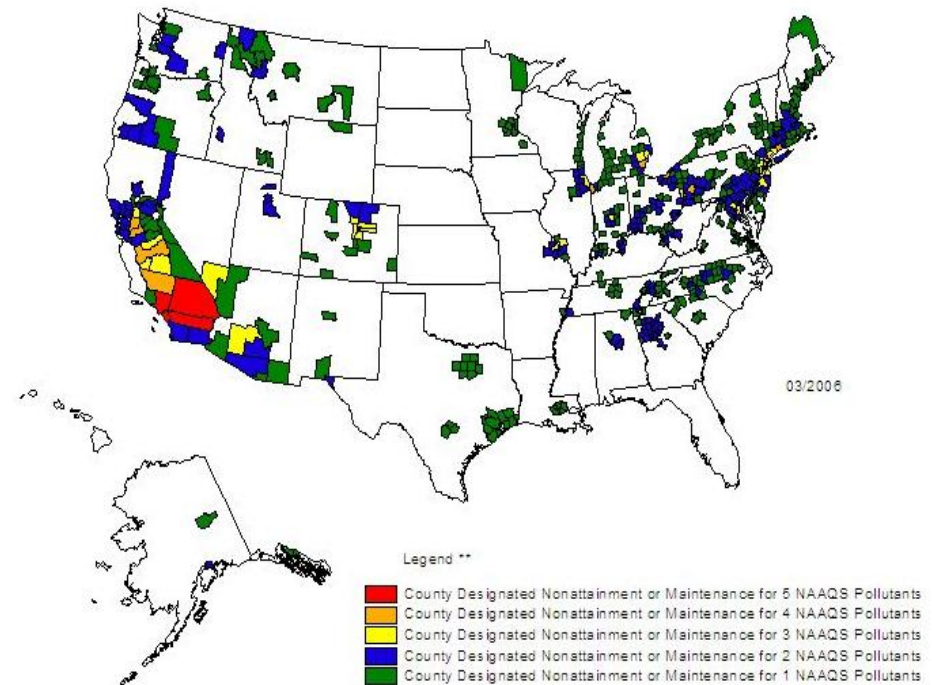


- Local policies and programs complement and supplement policies and action by other levels of government

Motivation for Local Government Action

- Economics
 - Energy up to 10% of budget
- Air Quality
 - 51% of Americans live in places with unhealthy air
- Quality of Life
- Sustainability
- Energy Security and Reliability

Counties Designated "Nonattainment" or "Maintenance"
for Clean Air Act's National Ambient Air Quality Standards (NAAQS) *

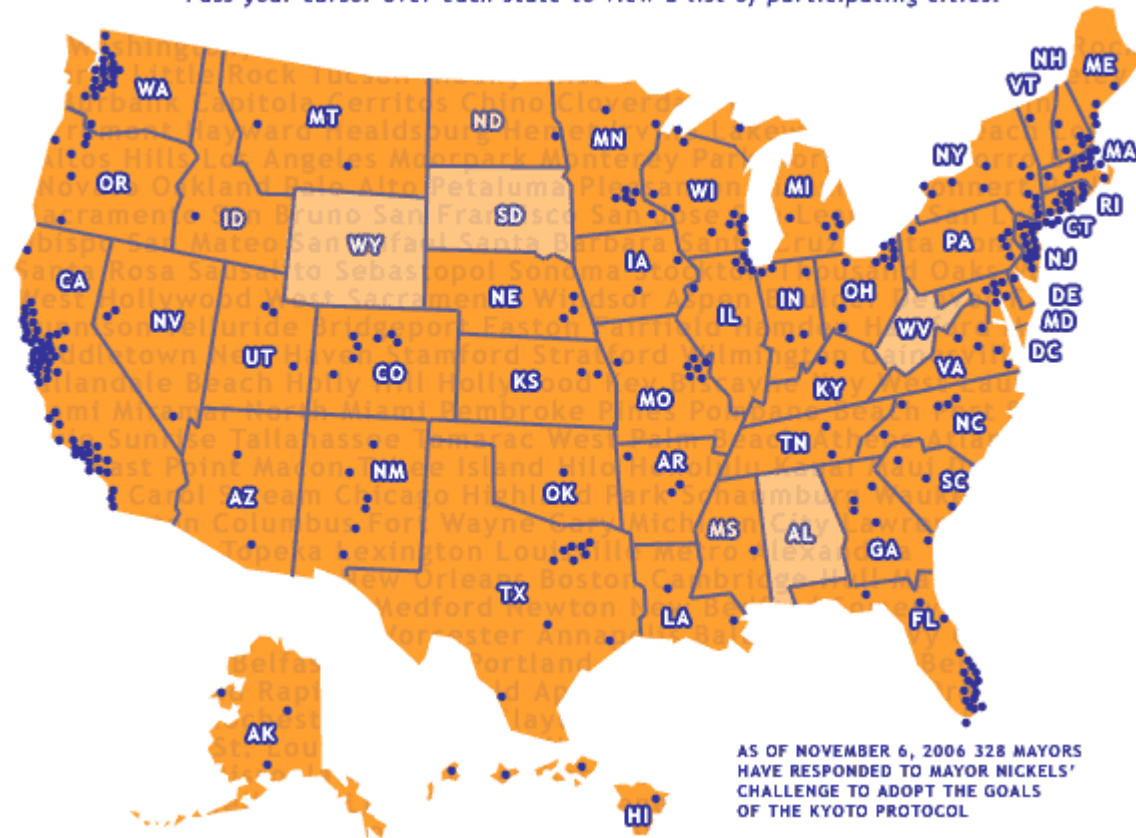


Locals Have Momentum

- 212 Cities in *Cities for Climate Protection Campaign*
 - ICLEI-Local Gov'ts for Sustainability
 - 20% of U.S. GHG emissions

- 328 Mayors signed *US Mayors Climate Protection Agreement*
 - Represents 53 million Americans

Pass your cursor over each state to view a list of participating cities.



Challenges Can Hamper Action

- Competing Priorities
- Budget Infrastructure
- Knowledge Gaps
- Locus of Control



Competing Priorities

- Environmental sustainability is just one of many competing priorities
- Issues addressed individually-as needed

Riverview, MI

- Facing dangerous landfill gas leaks, also odor issues
- Started partnership with Detroit Edison to collect and sell landfill methane
- New revenue stream for city, local property values have increased
- Improved safety: closed landfill is now a winter recreation area

Budget Infrastructure

- Budget Infrastructure Doesn't Accommodate Action
 - Budgeting procedures preclude long payback periods and ignore externalities
 - Lack of \$ for initial capital outlay
 - Purchases of equipment are too small to qualify for discounts

Milwaukee, WI & Pittsburgh, PA

- Exploring performance contracts to avoid capital outlay
 - City contracts with an Energy Service Company (ESCO) to implement guaranteed energy saving strategies.
 - The ESCO is paid out of recouped energy savings

Information Gap

- Climate Change is a complex problem with complex solutions
 - Limited staff time and expertise
 - Need to educate city council members and community
 - Overwhelming amount of information

Portland, Oregon

- City staff and a council member convened committee to educate decision-makers on land use and climate issues
- Used coffee socials and other interactive meetings to communicate issues.
- Used same model to meet with neighborhood and environmental groups
- Now a leader in land use planning, GHG management, and sustainability

Locus of Control

- Decision Points May be Out of Reach
 - Low-hanging fruit sometimes out of local control
 - Successes not always transferable to a different government structure

Bowie, Maryland

- Wanted to implement heat island mitigation measures
- Zoning and building codes controlled by county not locality
- Used stormwater management controls to promote and permit green roofs

King County, WA's Strategy for Success

- Looked at the future – 2050
 - Science-based analysis, drawing on State Universities and NOAA
- Evaluated policy options
 - Policy analysts, planners, economists, financial planners
- Did the math
 - Costs and benefits
 - Created the Business Case for action
- Built a strategy around intersecting 'Levers of Change'
 - Environmental management
 - Economic development
 - Land use
 - Transportation

Documenting and Demonstrating Success in Chicago, IL

Environmental Performance Management System:

- City gov't as responsive, accountable, & cost effective
- Monthly Reporting, Accountability, Follow-up Actions
- Linked to budgets

	MEASUREMENT INDICATOR	Data Source	FY05 Final/Total	FY06 Target	FY06 Jan.	FY06 Feb.	
2.12	Fueling Facilities						
2.12.1*	Unleaded fuel gallons	Excel	6,349,739	6,182,510	529,988	513,233	
2.12.2*	Diesel fuel gallons	Excel	4,814,582	4,686,819	372,991	390,544	
2.12.3	CNG gallons	Excel	62,467	62,467	5,691	4,788	
2.12.4	E85 - gallons	Excel	19,808	19,808	1,385	364	
2.12.5	Daily fuel tank reconciliation	Excel	97.8%	97.8%	98.9%	99.3%	
2.12.6a	Diesel Cost	Excel	N/A	\$10,124,680.00	\$827,739.00	\$861,494.00	\$E
2.12.6b	Unleaded Cost	Excel	N/A	\$12,968,320.00	\$1,151,362.23	\$114,343.84	\$1,
2.12.6c	Fuel Hedging (Gain / Loss)	Excel	N/A	N/A	-\$129,776.69	-\$129,560.53	\$1
2.13	Part Outsourcing Indicators						
2.13.1	Monthly part purchases from NAPA	Dept.	\$20,852,478.00	\$25,491,666.00	\$1,691,815.00	\$1,675,887.00	\$2,
2.13.2	Parts disbursed to Work Orders	Dept.	\$19,574,190.66	\$23,043,936.00	\$1,564,259.00	\$1,557,264.00	\$1,
2.13.3	Indirect part charges	Dept.	\$1,972,990.00	\$2,071,640.00	\$114,993.00	\$102,913.00	\$1
2.14	Green Initiatives						
2.14.1	# of Alternate fuel or Hybrid vehicles in the fleet	V-Mart	320	352	320	330	
2.14.2	Recycled paper generated in Lbs	Recycling Services	51,851	52,000	2,050	1,858	
2.14.3	Waste Oil Recycled (Gallons)	Dept.	95,720	N/A	7,431	6,400	
2.14.4	Tires Recycled (Tons)	Dept.	325	N/A	29.18	21.06	
2.14.5	Batteries Recycled	Dept.	N/A	N/A	507	543	

How We Can Help



Clean Energy Environment
Municipal Network

- EPA Clean Energy Environment Municipal Network
 - Electronic Clearinghouse -- resources, reports, tools, information about funding & incentives
 - Best Practice Guidance -- Efficiency, Renewables, Transportation, Heat Islands
 - Links to programs that support clean energy
 - Peer to Peer Exchange

- Federal and NGO Support of Local Action
 - DOE, DOT, HUD, USDA: grants, tech assistance, tools, guidance
 - EPA-DOE sponsored National Action Plan for Energy Efficiency: municipals-utilities maximize energy efficiency
 - ICLEI, USCM, NACO, ICMA: sponsor local initiatives

How You Can Help

- Recognize State and Local Linkages
 - Local governments as part of state climate strategies
 - State - local implementation interplay
 - e.g. building codes, affordable housing, transportation
- Provide Technical Assistance
 - States have expertise to offer local governments
 - Academia can support local initiatives
- Share Information & Resources
 - States can offer programs, incentives, funding to local governments
 - Encourage, motivate coordination among local governments

MASS: *Commonwealth Capital* for Cities & Towns

- Not all problems can be tackled by individual cities
 - Transportation, land-use, sprawl transcend boundaries
 - Coordination = Efficiency
- *Commonwealth Capital*
 - \$5 billion in state capital funding
 - Sustainability guideline for funds allocation
- Funding Priorities
 - \$500 million in infrastructure/parks grants
 - Incentives for high density housing
 - \$30 million in bonds for transit oriented development
 - \$4 million in grants for planning studies
- Combines Funding with Technical Assistance
 - Smartgrowth toolkit, highway design manual, change in outdated state zoning laws

Texas: Energy Priorities help Locals

- Texas Energy Partnership
 - Joint DOE-EPA-State Energy Conservation Office program
 - formed to help affected jurisdictions comply with SB5-mandated 5% electricity reduction in 41 counties
 - Offers fact sheets, technical assistance, training, workshops, case studies

- LoanSTAR
 - Low interest loans for energy efficiency retrofits
 - Local governments and schools districts eligible for loans
 - Has saved the state \$180 million and 2.1 million tons of CO₂

Chicago Put the Pieces Together

BEFORE: Unused Rail Yard



AFTER:

Ice skating,
public art,
concerts,
green space,
community
space

