



Funding Clean Water Projects and Programs: National Perspective

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FREE Grant Money For You - Message (HTML)

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From: Amy Cornett [suny@easypeasy.com]

To: jezter@email.unc.edu

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With best regards,

The Grant Giveaway Team

Funding Clean Water Projects and Programs

- Overview
- Federal Government
- State Government
- Regional and Local

Obligatory
Big Scary
Number
Slide

State	Total CWNS 2000 Needs (in \$1,000)	Authority Name	2000 Service Population	Needs/Person (\$Person)
New York	\$13,339,168	NYC DEP	6908343	\$ 1,931
California	\$4,692,056	LACSD	6584407	\$ 713
Illinois	\$3,647,539	CHICAGO, CITY OF	2783726	\$ 1,310
Florida	\$3,198,611	Engineers/South Florida WMD		
Texas	\$2,888,241	HOUSTON	1206454	\$ 2,394
Missouri	\$2,704,507	ST LOUIS MSD	1381177	\$ 1,958
Alabama	\$2,417,806	JEFFERSON COUNTY		\$ 2,259
New Jersey	\$2,306,439	PASSAIC VALLEY SC	282721	\$ 8,158
California	\$2,215,368	San Francisco Public Utilities	536900	\$ 4,126
Michigan	\$2,196,895	DETROIT BOARD OF WATER C	699984	\$ 3,138
Illinois	\$2,178,356	CHICAGO MWRDGC		
Arizona	\$1,960,238	CITY OF PHOENIX	1030682	\$ 1,902
Ohio	\$1,952,803	MSD of Greater Cincinnati	866295	\$ 2,254
Georgia	\$1,945,216	ATLANTA PUBLIC WORKS D	468108	\$ 4,155
Florida	\$1,773,348	MIAMI-DADE WATER & SEWER	2139500	\$ 829
California	\$1,715,118	LOS ANGELES, CITY OF	4555103	\$ 377
Hawaii	\$1,549,915	HONOLULU, CITY AND CO	834507	\$ 1,857
DC	\$1,438,142	District of Columbia	572059	\$ 2,514
New Jersey	\$1,422,783	NJDEP		
PA	\$1,422,159	PHILADELPHIA WPC DIV	1509369	\$ 942
Ohio	\$1,353,452	Northeast Ohio Regional Sewer		
California	\$1,303,970	SACTO CO CSD #1	885051	\$ 1,473
Florida	\$1,256,837	CAPE CORAL, CITY OF	100853	\$ 12,462
PA	\$1,137,871	ALLEGHENY COUNTY SAN	766801	\$ 1,484
Ohio	\$1,119,069	Columbus Division of Sewerage and Drainage	712141	\$ 1,571

Billion \$\$ Club

- Keys
- Chesapeake Bay
- Great Lakes
- Everglades
- Mississippi/Louisiana Coast
- CSO/SSO
 - Atlanta
 - Cincinnati
 - Indianapolis

Table B.6-2 Trends in Long-Term Debt

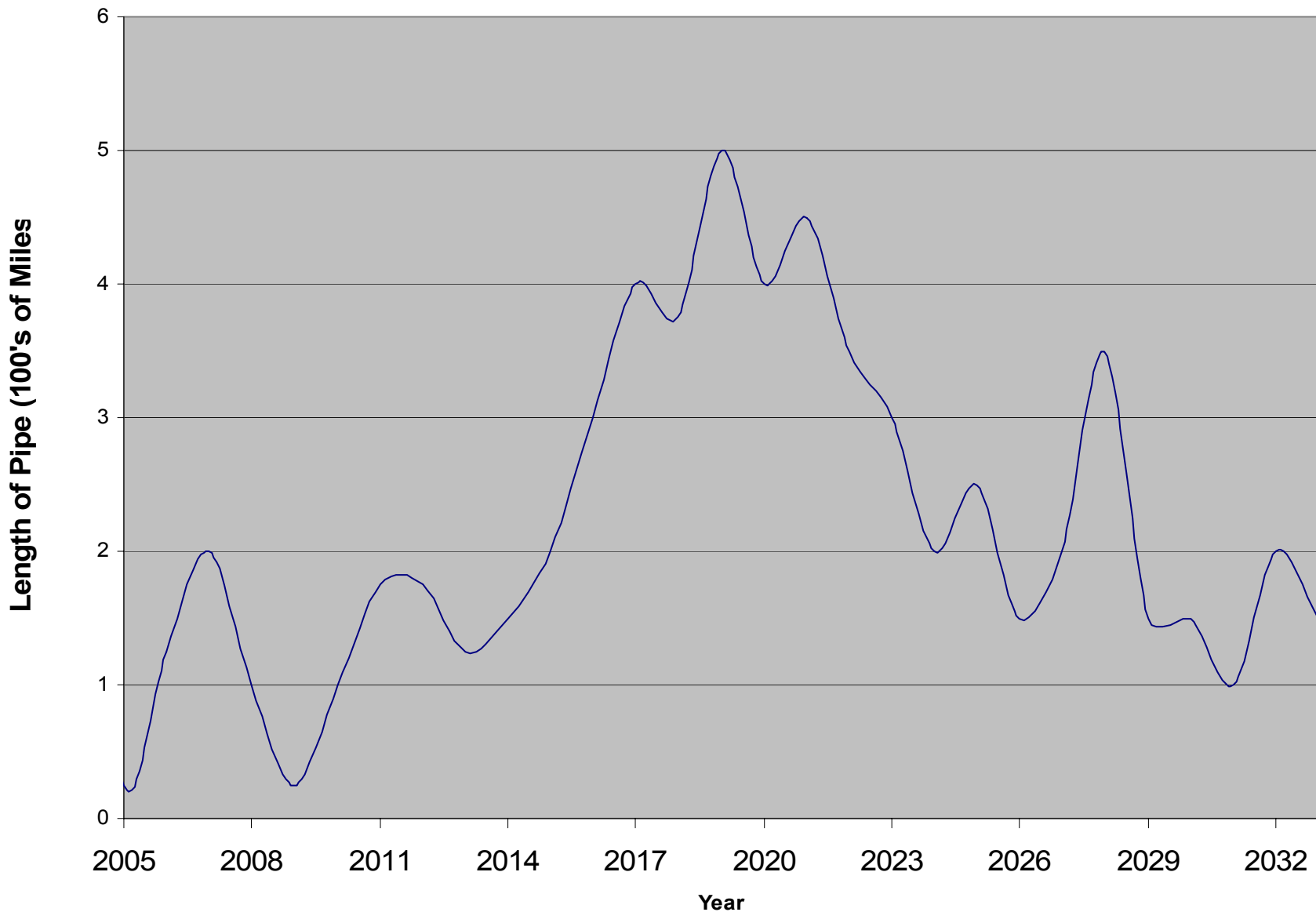
Outstanding Debt	1996 - 1999	1999 - 2002	2002 - 2005	1996 - 2005
- Common Agencies Responding	72	72	87	67
- Percentage (%) Change (Total Debt)	+19.9%	+17.7%	+16.8%	+73.0%
- Percentage (%) Change in CPI (Inflation rate)	+6.2%	+8.0%	+8.3%	+24.3%

Table B.9-4 Trends in Five-Year Needs

Outstanding Debt	1996 vs. 1999	1999 vs. 2002	2002 vs. 2005	1996 vs. 2005
- Common Agencies Responding	66	66	67	51
- Percentage (%) Change (Total 5-Year Needs)	+4.6%	+18.8%	+15.5%	+110.8%
- Percentage (%) Change in CPI (Inflation rate)	+6.2%	+8.0%	+8.3%	+24.3%

* Source: NACWA 2005 Financial Survey

Sewer Lines Estimated to Reach End of Useful Life



[Homepage](#) >> [Carl Monday](#) >>

Get ready to pay higher sewer bills

Created: 1/11/2007 12:15:28 PM

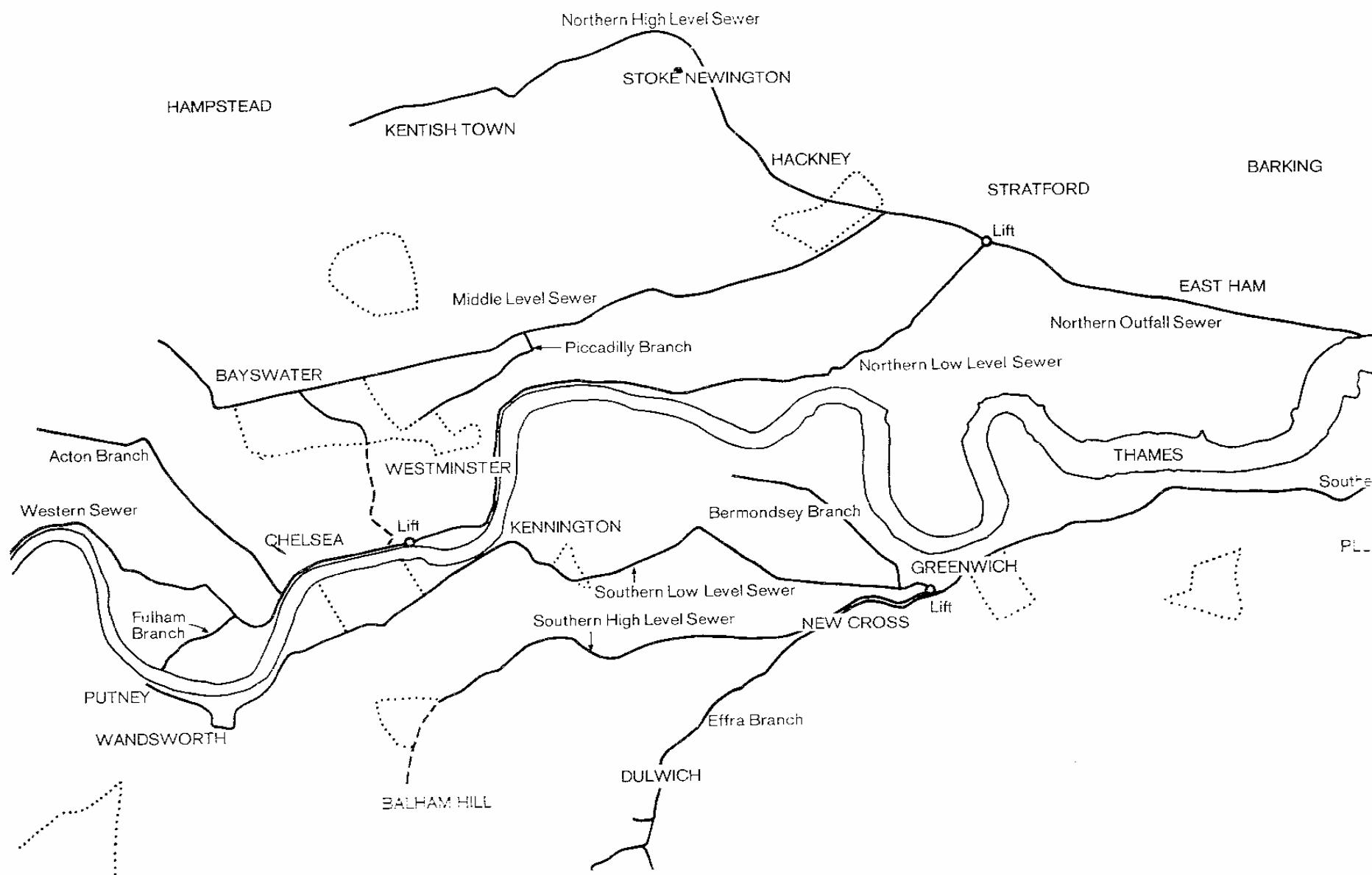
Updated: 1/11/2007 5:43:13 PM

CLEVELAND -- Get ready to pay higher sewer bills. Next Thursday, the Sewer Board is expected to raise your rates more than 50 percent over the next five years.

The hikes come at a time when the system faces tens of millions of dollars in cost over-runs on some of its major projects.

So one sewer board member asked: "Hey Carl Monday. What's going on here?"

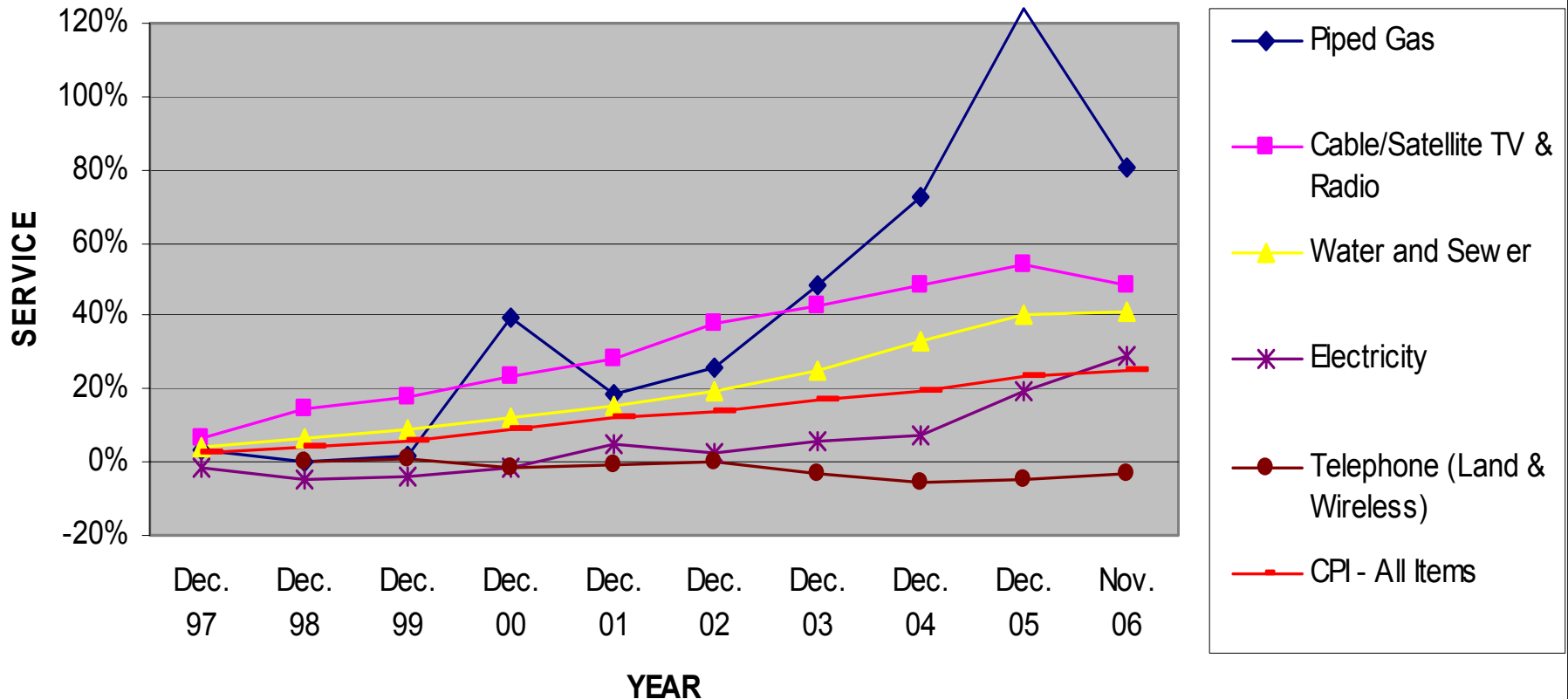
"Why are these projects over the bid amount by 30, 40 and 50 percent range?" board member Gary Starr asked.



1859 Map of Main Interceptor Sewers from Joseph Bazalgette, Chief Engineer of London Metropolitan Board of Works. Source: *London Under London: A Subterranean Guide*. Trench, R. & E. Hillman, 1993.



U.S. Consumer Price Index Cumulative Percent Change for Selected Household Services (1997-2006, all urban consumers)



* Source: U.S. Bureau of Labor Statistics, January 2007



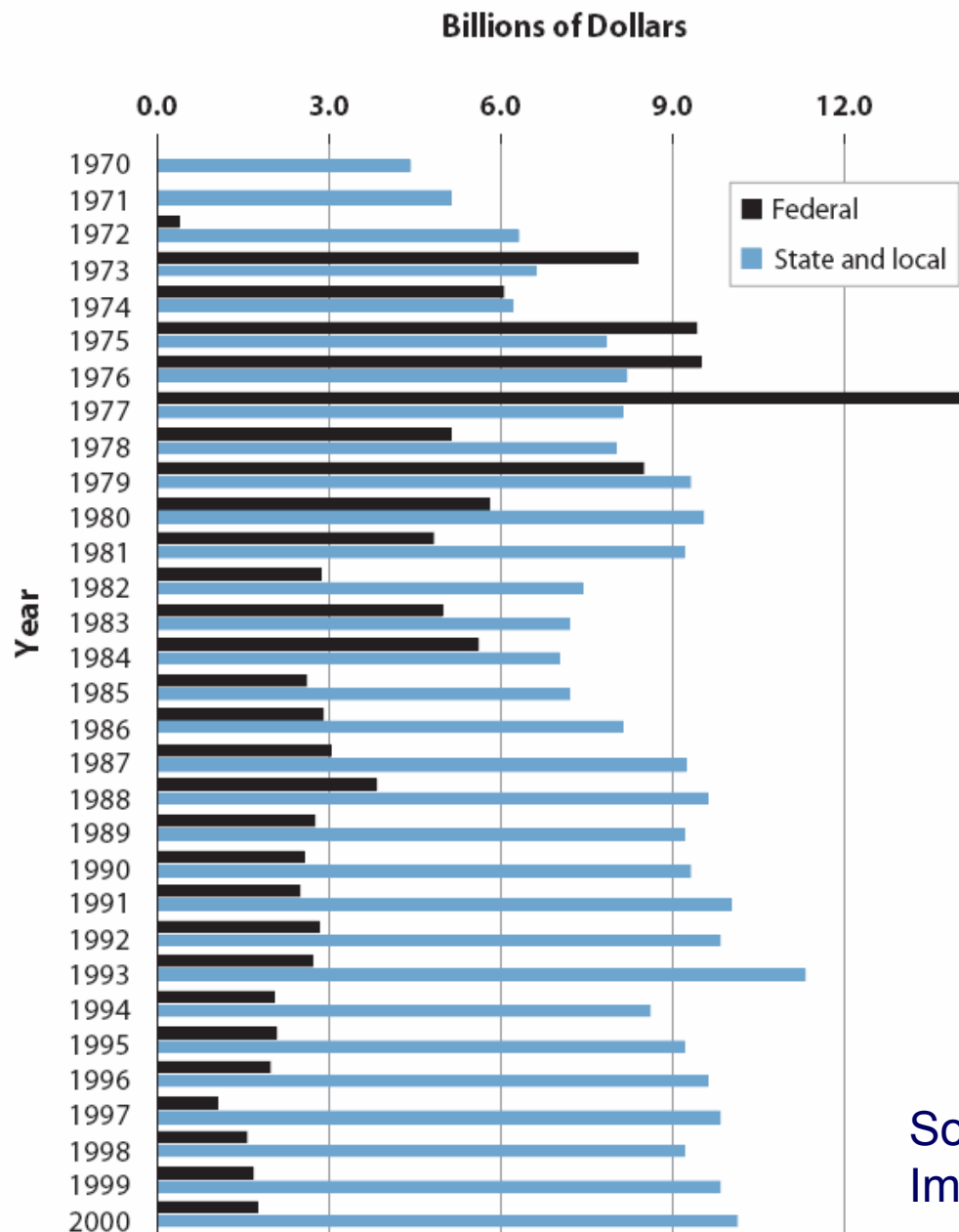
Federal Government

- Funder
- Regulator
- Innovative Thinker
- Technical Assistance Provider

Federal Funding

- USDA Rural Development
- CWSRF Capitalization
- DWSRF Capitalization
- EPA Special Appropriations
- ACOE Appropriations
- HUD/CDBG
- Commerce/EDA

Figure 9.1

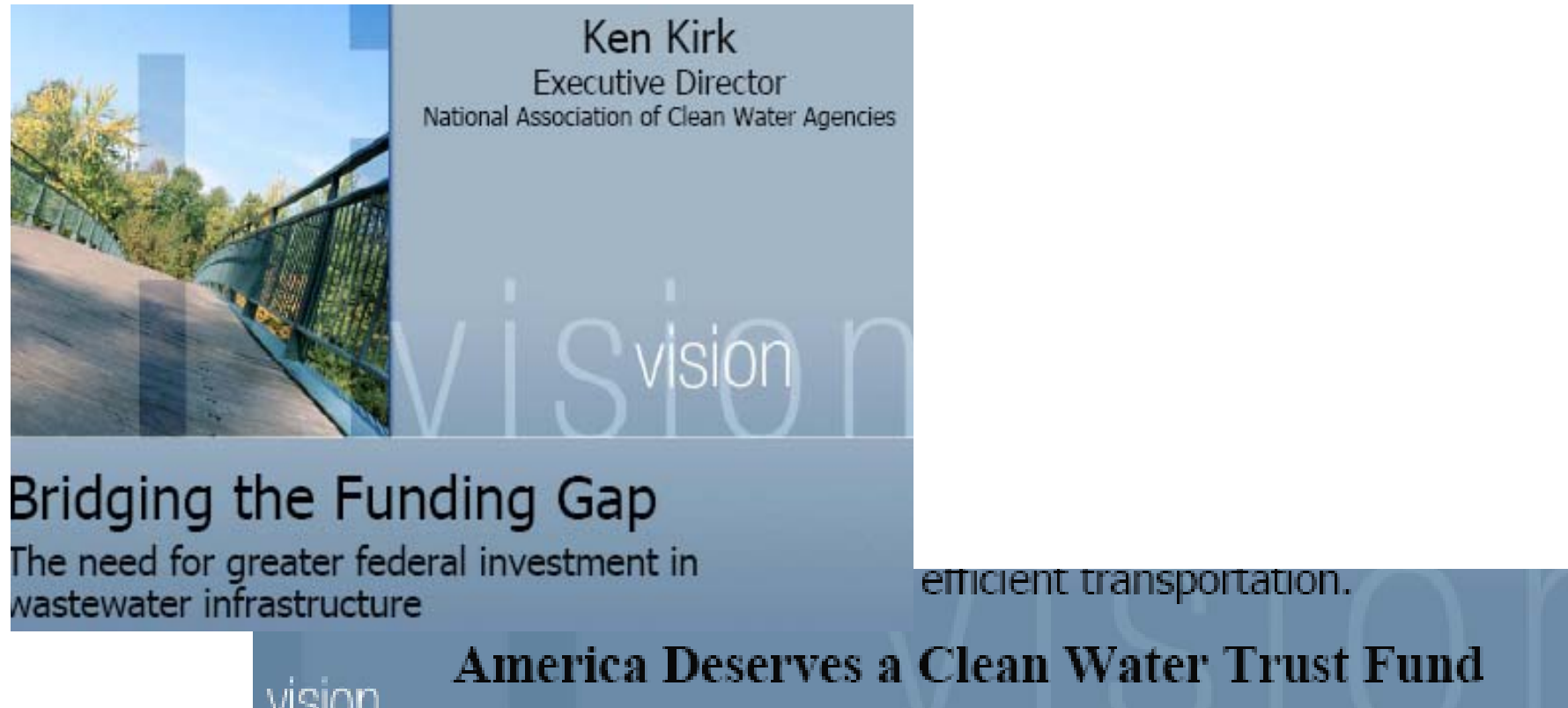


Annual Capital Expenditures on Wastewater Infrastructure, 1970-2000

Federal funding for capital wastewater projects peaked in 1977. At that time, federal funding accounted for more than 60 percent of annual capital expenditures on wastewater projects; by 2000, federal funding represented about 15 percent of annual capital expenditures. Details on annual federal, state, and local expenditures are shown in Appendix M (Tables M.2, M.3).

Source: Report to Congress on the Impacts of CSOS and SSOs (2004)

Advocacy Organization Opinions: Example NACWA



The slide features a background image of a modern bridge with a green railing and trees in the distance. The word 'vision' is faintly visible in the background. The text on the slide is as follows:

Ken Kirk
Executive Director
National Association of Clean Water Agencies

Bridging the Funding Gap
The need for greater federal investment in
wastewater infrastructure

America Deserves a Clean Water Trust Fund

Slide Source: Ken Kirk, National Association of Clean Water Agencies, Paying for Sustainable Water Infrastructure Conference, Atlanta, March 21-23, 2007 (<http://www.payingforwater.com/presentations>)

Conclusions from Paying for Sustainable Water Infrastructure Conference

Paying for Sustainable Water Infrastructure

Closing Colloquy

March 23, 2007

Federal Roles in Water Infrastructure Innovation Track

- Federal (and State) programs are evolving to provide greater environmental and public health protection with existing resources
- Dominant tide running over the past quarter century in Federal infrastructure programs has been to greater leveraging of Federal dollars and to more modest subsidies
- The history of our Republic is a history of debate about the scope, reach, and role of the Federal government – this debate continues on many issues, including water infrastructure

Slide Source: Peter Shanaghan, USEPA, Paying for Sustainable Water Infrastructure Conference, Atlanta, March 21-23, 2007
(<http://www.payingforwater.com/presentations>)

Things to Watch

- Special Appropriations Policies
- House Bill 720
- Other Proposals (e.g. Trust Fund)

State Initiatives

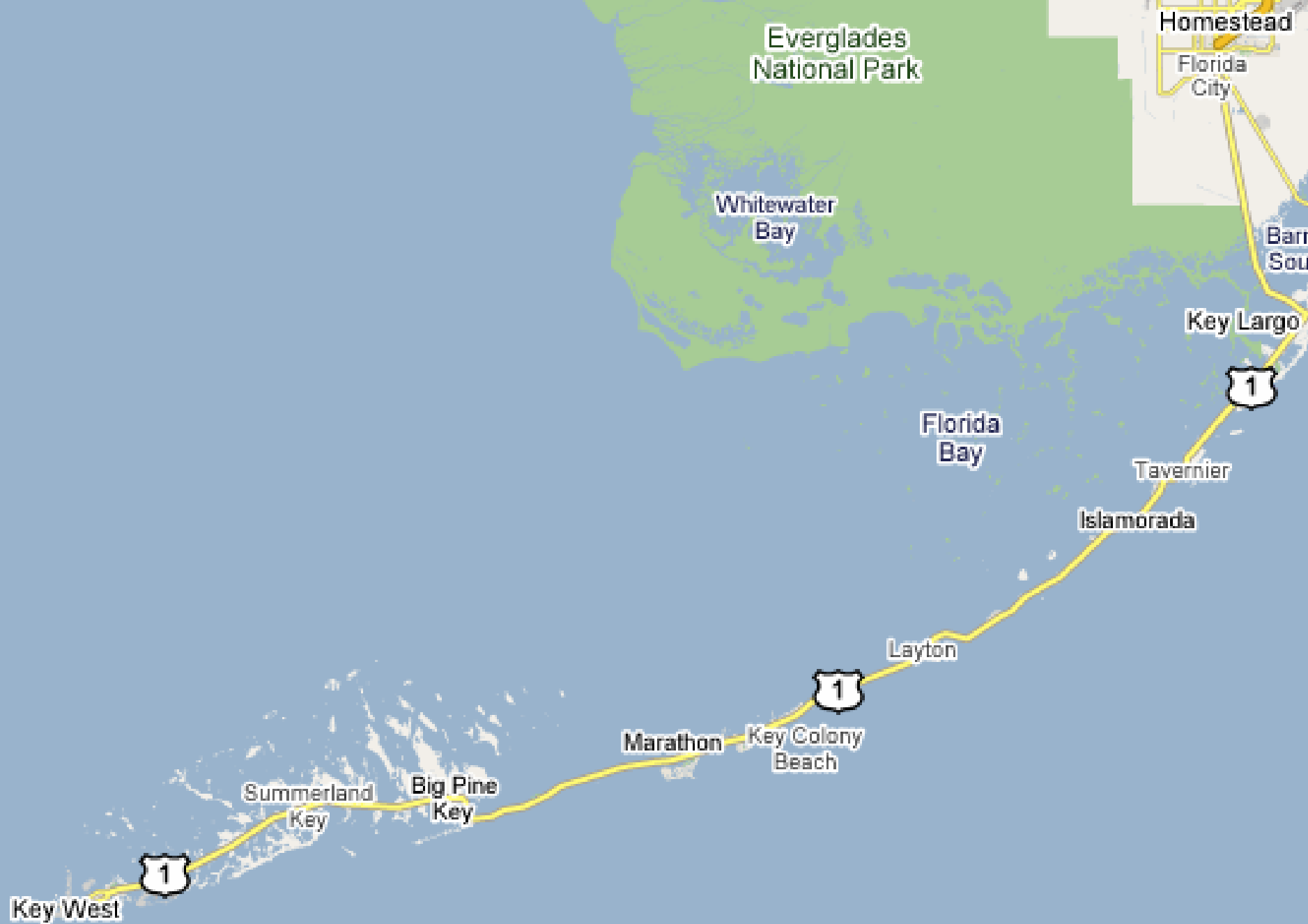
- Planning and Coordination
 - Increased attention on criteria and incentives (strings)
- Revenue sharing
 - “Bonds”
- Non-traditional revenue collection
 - Flush fee (MD)
 - Real Estate Transfer Taxes
 - Other

State and Local Innovations Track

- The gap is more about revenue than capital
- Local innovation often requires state innovation
- Revenue innovation is often about pooling payers differently
- You don't need disasters and crises to innovate, but they sure seem to help
- Politics matter

Slide Source: Jeff Hughes, Paying for Sustainable Water Infrastructure Conference, Atlanta, March 21-23, 200 (<http://www.payingforwater.com/presentations>)

Local and Regional Examples



Chapter 8 Funding and Financing

This Master Plan has described the significant st County, the State of Florida, numerous Federal ments, public and private organizations, and of and protect the water quality of the Florida Key the most appropriate means to improve water c ing must be secured for the required equipment proposed systems' ongoing operation, mainten ment. The selection of funding and financing in bears the responsibility of paying for the faciliti pay.

This chapter summarizes the findings of the fur the following:

- Primary means by which wastewater utili tance needed capital improvements
- Mechanisms that have been proposed for f wastewater management program
- Primary issues relating to the funding and f wastewater management program
- Results of an analysis of the fiscal impacts o funding and financing options to fund the age ment program

Recommended funding and financing strategy

Countywide
Total Capital Cost: \$437,950,000

*Grant Money
Needed*

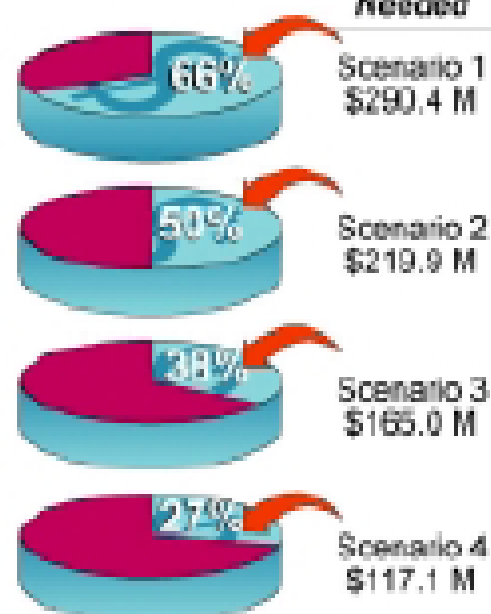


EXHIBIT 8-10

Total Grant Money Needed in the Entire Keys to Fund Wastewater Management Improvements

Source: Monroe County Wastewater MasterPlan

Implementation Report Monroe County Wastewater Projects February 2007

Service Area (District)	Sewer Area (SA)	Hot Spot R/KW*	% Connected	EDUs Connected	EDUs	EDUs Remaining to be Connected	Project Status
<u>KEY WEST</u>	City of Key West	1/3		20000	20000	0	EDUs in the City of Key West estimated.
<u>STOCK ISLAND</u>	Stock Island	1/3	60%	638	1072	638	Construction of upgrade to AWT underway by KWRU and expected to be complete 2007.
<u>BAY POINT</u>	Bay Point	3/6	83%	354	428	76	Connection coordination by FKAAs.
<u>BIG COPPITT</u>	Shark Key, Big Coppitt, Galger Key, Rookland Ocean, and Rookland Gulf	2/5			1500		Force main construction underway; Basin collection system bids received (Boyle Engineering); Treatment Plant 70% complete (Brown and Caldwell).
<u>CUJOE, SUMMERLAND</u>	Upper Sugarloaf, Cudjoe Key, and Summerland Key	7/23			1880		Collection System (CH2MHill) and Treatment Plant (Brown and Caldwell) designs initiated.
<u>LOWER SUGARLOAF</u>	Lower Sugarloaf	17/144			800		Design work scheduled to begin in 2008.
<u>BIG PINE KEY</u>	Ramrod Key, Little Torch Key, and Big Pine Key	4/9			3550		Design work scheduled to begin in 2007.
<u>KEY COLONY BEACH</u>	Key Colony Beach		100%	1502	1502		EDUs in the City of Key Colony Beach were estimated.
<u>LITTLE VENICE</u>	Little Venice	1/1	90%	852	946	93	Connection coordination by FKAAs.
<u>MARATHON</u>	Marathon Primary Area and Grassy Key	3/13			8688		Collection System and Treatment Plant designs initiated.
<u>DUCK KEY</u>	Duck Key	6/18			376	376	Collection System design underway by Matthews Consulting; existing treatment plant being evaluated by FKAAs.
<u>CONCH KEY</u>	Conch Key	2/19	97%	1274	1317	43	Connection coordination by FKAAs. Includes Hawk's Cay.
<u>LAYTON</u>	Layton and Long Key	7/15	68%	208	350	142	Connection coordination by FKAAs. Clarification needed as to whether to classify 111.15 EDUs exist.

Monroe County, Florida

- State Law
- ACOE
- State funding
- Sales tax and ad valorem
- Hurricane
- Revenue and customer pooling
- Decentralized systems

20% CLUB

CITY	POVERTY RATE
New Orleans, LA	27.9%
Cleveland, OH	26.3%
Fresno, CA	26.2%
Detroit, MI	26.1%
St. Louis, MO	24.6%
Atlanta, GA	24.4%
Stockton, CA	23.9%
Philadelphia, PA	22.9%
Long Beach, CA	22.8%
El Paso, TX	22.2%
Los Angeles, CA	22.1%
Cincinnati, OH	21.9%
Louisville, KY	21.6%
Milwaukee, WI	21.3%
New York, NY	21.2%
Mobile, AL	21.2%
Memphis, TN	20.6%
Washington, DC	20.2%

Elevator Talking Points: Lessons and Inspiration

- Pooling and revenue sharing
- State coordination and innovation
- New partnerships are essential
- Federal funding may be on the rise
- Beware of finance strategies that focus primarily on grant funding and advocacy.