MEMORANDUM

Agenda Item No. 11(A)(5)

TO:	Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners	**DATE:**	March 3, 2009
FROM:	R. A. Cuevas, Jr. County Attorney	**SUBJECT:**	Resolution directing the Mayor to review assumptions used to develop future water supply needs and to prepare revised forecasts and recommendations to water use permit's schedule of water supply projects

The accompanying resolution was prepared and placed on the agenda at the request of Prime Sponsor Commissioner Carlos A. Gimenez, and Co-Sponsor Commissioner Rebeca Sosa.

R. A. Cuevas, Jr.
County Attorney

RAC/up

MEMORANDUM

(Revised)

TO: Honorable Chairman Dennis C. Moss and Members, Board of County Commissioners

DATE: March 3, 2009

FROM: R. A. Cuevas, Jr. County Attorney

SUBJECT: Agenda Item No. 11(A)(5)

Please note any items checked.

_____ **"4-Day Rule" ("3-Day Rule" for committees) applicable if raised**

_____ **6 weeks required between first reading and public hearing**

_____ **4 weeks notification to municipal officials required prior to public hearing**

_____ **Decreases revenues or increases expenditures without balancing budget**

_____ **Budget required**

_____ **Statement of fiscal impact required**

_____ **Bid waiver requiring County Mayor's written recommendation**

_____ **Ordinance creating a new board requires detailed County Manager's report for public hearing**

_____ **Housekeeping item (no policy decision required)**

_____ **No committee review**

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 11(A)(5)
3-3-09

RESOLUTION NO. _____

RESOLUTION DIRECTING COUNTY MAYOR OR HIS DESIGNEE TO REVIEW ASSUMPTIONS USED TO DEVELOP FUTURE WATER SUPPLY NEEDS AND TO PREPARE REVISED FORECASTS AND RECOMMENDATIONS FOR MODIFICATIONS TO WATER USE PERMIT'S SCHEDULE OF WATER SUPPLY PROJECTS AS APPROPRIATE

WHEREAS, Miami-Dade County's 20-year Water Use Permit ("WUP") was approved by the South Florida Water Management District in November 2007; and

WHEREAS, the WUP demand projections were based upon anticipated population growth and per capita water consumption derived from actual data from 2005 and 2006; and

WHEREAS, actual water consumption is currently about 40 million gallons per day less than anticipated in the WUP; and

WHEREAS, a forecast of future water supply projections through 2030 is attached hereto as Exhibit "A"; and

WHEREAS, an effective conservation program has been one reason for reduced water supply needs and is the least costly method of meeting future water supply needs; and

WHEREAS, the timing of very expensive capital improvements required by the WUP is a direct function of water supply needs,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that the County Mayor or his designee is hereby directed to review the assumptions used to develop future water supply needs for the Water Use Permit and prepare revised forecasts and appropriate recommendations for

modifications to the WUP's schedule of water supply projects reflecting a more realistic forecast of future water supply needs for submittal to the South Florida Water Management District and this Board.

The Prime Sponsor of the foregoing resolution is Commissioner Carlos A. Gimenez and the Co-Sponsor is Commissioner Rebeca Sosa. It was offered by Commissioner , who moved its adoption. The motion was seconded by Commissioner and upon being put to a vote, the vote was as follows:

Dennis C. Moss, Chairman
Jose "Pepe" Diaz, Vice-Chairman

Bruno A. Barreiro	Audrey M. Edmonson
Carlos A. Gimenez	Sally A. Heyman
Barbara J. Jordan	Joe A. Martinez
Dorrin D. Rolle	Natacha Seijas
Katy Sorenson	Rebeca Sosa
Sen. Javier D. Souto	

The Chairperson thereupon declared the resolution duly passed and adopted this 3rd day of March, 2009. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

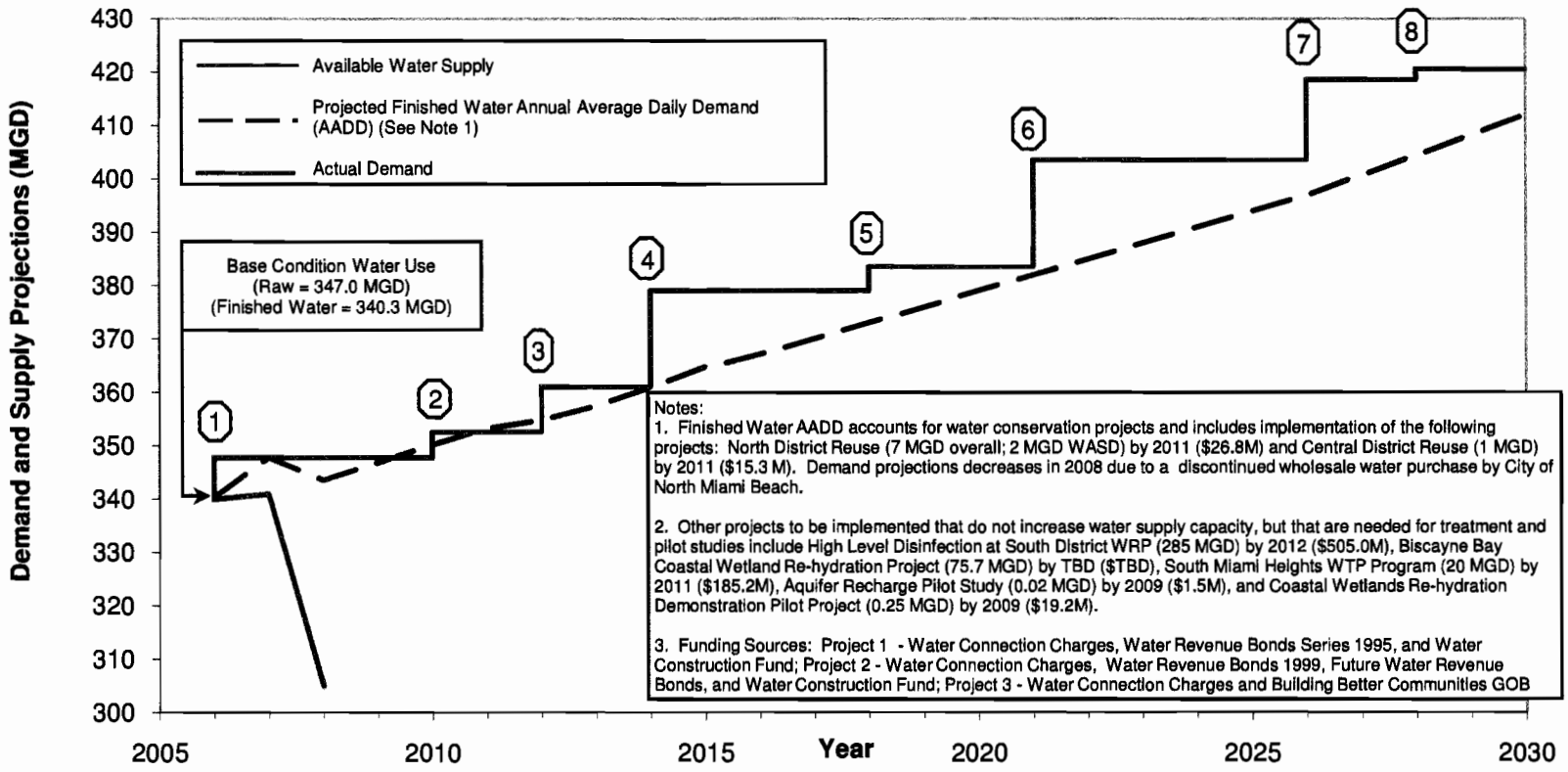
HARVEY RUVIN, CLERK

By:_____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Henry N. Gillman

MDWASD Finished Water Demand and Water Supply Projections



Notes:

1. Finished Water AADD accounts for water conservation projects and includes implementation of the following projects: North District Reuse (7 MGD overall; 2 MGD WASD) by 2011 ($26.8M) and Central District Reuse (1 MGD) by 2011 ($15.3 M). Demand projections decreases in 2008 due to a discontinued wholesale water purchase by City of North Miami Beach.

2. Other projects to be implemented that do not increase water supply capacity, but that are needed for treatment and pilot studies include High Level Disinfection at South District WRP (285 MGD) by 2012 ($505.0M), Biscayne Bay Coastal Wetland Re-hydration Project (75.7 MGD) by TBD ($TBD), South Miami Heights WTP Program (20 MGD) by 2011 ($185.2M), Aquifer Recharge Pilot Study (0.02 MGD) by 2009 ($1.5M), and Coastal Wetlands Re-hydration Demonstration Pilot Project (0.25 MGD) by 2009 ($19.2M).

3. Funding Sources: Project 1 - Water Connection Charges, Water Revenue Bonds Series 1995, and Water Construction Fund; Project 2 - Water Connection Charges, Water Revenue Bonds 1999, Future Water Revenue Bonds, and Water Construction Fund; Project 3 - Water Connection Charges and Building Better Communities GOB

Project Names:

1. Floridan Aquifer Blending at Alex-Orr WTP (7.2 MGD, $7.7M)
2. Floridan Aquifer Blending Wellfield at Hialeah/Preston (4.7 MGD, $19.2M)
3. New Upper Floridan RO WTP Phase 1 (8.5 MGD, $93.0M) (WTP Capacity = 10 MGD)
4. Phase 1 SDWRP Groundwater Recharge (SMH WTP) (18 MGD, $357.5M)
5. New Upper Floridan RO WTP Phase 2 (4.5 MGD, $25.0M) (WTP Capacity = 15.0 MGD)
6. Phase 2 WDWRP Canal Recharge (Alex-Orr WTP) (20 MGD, $482.0M)
7. Phase 3 WDWRP Canal Recharge (Alex-Orr WTP) (15 MGD, $317.5M)
8. New Upper Floridan RO WTP Phase 3 (2.0 MGD, $9.7M) (WTP Capacity = 17.5 MGD)

5/28/2008
AWS Step Chart

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