

SEWERAGE & WATER BOARD OF NEW ORLEANS

STRATEGY COMMITTEE MEETING
WEDNESDAY, SEPTEMBER 9, 2020
10:45 AM

[SEPTEMBER 2020 STRATEGY ATTENDEE LINK](#)

CALL IN#:+1 504-224-8698 UNITED STATES, NEW ORLEANS (TOLL)
CONFERENCE ID: 531 070 299#

PUBLIC COMMENT WILL BE ACCEPTED VIA EMAIL TO
BOARDRELATIONS@SWBNO.ORG. ALL PUBLIC COMMENTS MUST BE RECEIVED PRIOR TO
11:15 AM ON SEPTEMBER 9, 2020. COMMENTS WILL BE READ VERBATIM INTO THE
RECORD

Robin Barnes • Lynes Sloss
Maurice Sholas • Janet Howard • Tamika Duplessis

FINAL AGENDA

1. **ROLL CALL**
2. **PRESENTATION ITEMS**
 - a. Master Plan and Strategic Plan Process Update

3. **PUBLIC COMMENT**

Public comments received until 30 minutes after the presentation of the Agenda will be read into the record.

4. **ADJOURNMENT**

This teleconference meeting is being held pursuant to and in accordance with the provisions of Section 4 of Proclamation Number JBE 2020-30, extended by Proclamation 111 JBE 2020, pursuant to Section 3 of Act 302 of 2020.

Master Plan / Strategic Plan Update

September 9, 2020

Tyler Antrup, Director of Planning + Strategy



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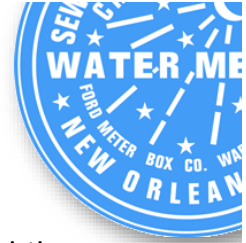
Why plan?

- Promote a culture of planning and continuous improvement
- Allows leadership to explicitly set the tone for staff
- Demonstrated manageable change over time
- Understand short- and long-term needs and consequences of actions
- Greater predictability in budgeting and ratemaking
- Balanced approach that prioritizes needs vs. wants
- Creates quantitative measures of success to demonstrate progress



2

Strategic Plan vs. Master Plan



Utility Strategic Plan (Business)

- Used to set priorities, focus energy and resources, and strengthen operations
- Ensures that employees and other stakeholders are working toward common goals
- Establishes agreement around intended outcomes/results, and assesses and adjusts the organization's direction in response to a changing environment
- Begin to standardize business processes to be more efficient and better serve our customers

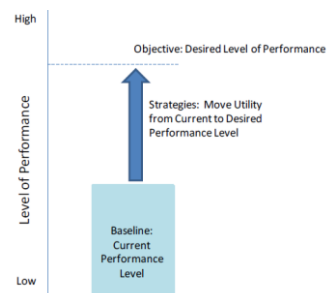
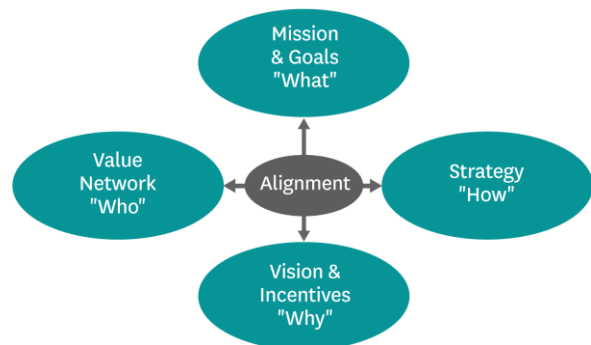
Master Plan (Systems)

- Determine the capability of existing systems to serve level of service
- Identify efficient and cost-effective ways to meet expected needs and emerging issues
- Estimate the magnitude, cost, and timing of needed capital and operations related projects
- Generate institutional and community support for needed projects
- Create a capital improvement plan for needed improvements to infrastructure

3

Strategic Planning

- A set of guiding principles that, when communicated and adopted in the organization, generates a desired pattern of decision making.
- Provides a clear roadmap, consisting of a set of guiding principles or rules, that defines the actions people in the business should take (and not take) and the things they should prioritize (and not prioritize) to achieve desired goals.



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Master Planning

- A road map to ensure that utility systems can reliably and efficiently serve the city's current and future service needs.
- The process includes evaluating existing utility system conditions, understanding future service needs, evaluating options for meeting these future needs, and articulating an implementation plan that can guide capital investment projects.
- This process can help utilities:
 - determine the capability of existing utility systems to serve future needs
 - determine efficient and cost-effective ways to meet expected needs
 - determine the magnitude, cost, and timing of needed projects
 - develop support for needed projects
 - create a capital investment plan for needed improvements to the utility infrastructure



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Master Plan Example

- Inventory of system assets
- Development of a hydraulic model for the water distribution system
- Modelling future levels of service
- Detailed capital program for addressing all system needs

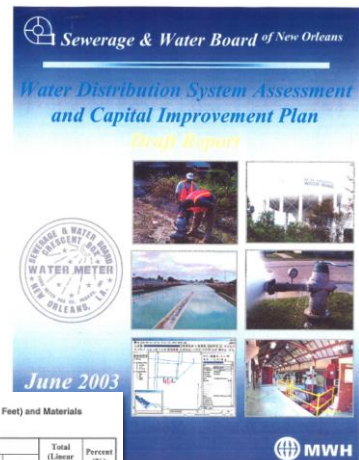


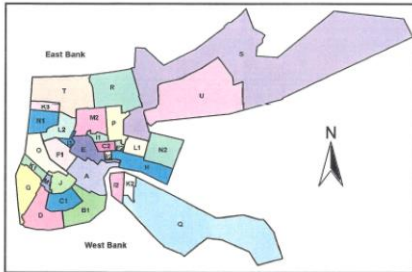
Table 3-2
Summary of Water Main Lengths (Linear Feet) and Materials
East Bank^{1,2}

Pipe Material	Pipe Diameter (Inches)					Total (Linear Feet)	Percent (%)
	8 or smaller	9-16	18-27	30-48	48-54		
Cast Iron	1,218,700	757,600	138,400	74,900	2,600	4,189,700	57.3
Asbestos Cement	1,558,700	429,000	13,600	17,700	8,200	2,027,200	27.7
PVC/Plastic	358,000	107,400	5,700	6,900	-	478,000	6.5
Other ³	256,000	47,100	18,300	58,300	12,300	392,000	5.4
Steel	300	600	800	70,200	94,600	166,500	2.3
Prestressed Concrete	-	-	-	41,300	-	41,300	0.6
Ductile Iron	5,400	2,300	7,400	-	-	15,100	0.2
Total (Linear Feet)	5,398,700	1,344,000	174,500	249,300	117,300	7,303,900	100
Percent (%)	73.9	18.4	2.4	3.7	1.6	100.0	

Notes:
 1 - Data compiled from CswWorks and rounded to the nearest hundred feet.
 2 - Data excludes pipe segments at the Chalmette Plant.
 3 - "Other" pipe material not identified.

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Figure ES-2
Structural Rehabilitation Project Areas



The projects are grouped into one of three categories: leakage management (4), structural rehabilitation (21), or system improvements (6), as shown in the summary schedule for the CIP in Figure ES-3 below.

Figure ES-3
CIP Summary Schedule



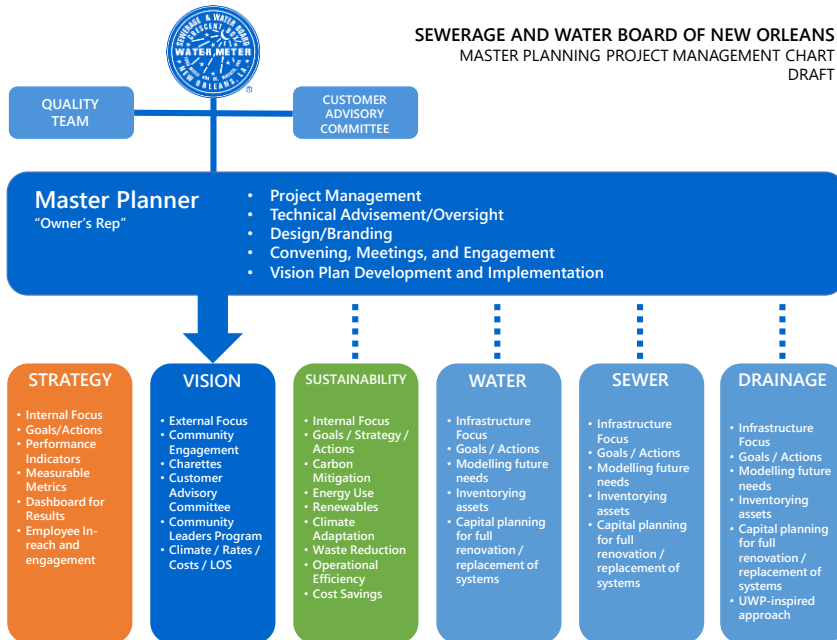
Note:
1 - Not to scale.

Table ES-1
Estimated Cost for Proposed Projects

Project Group	Project Description	Capital Cost (\$1,000)
I. Leakage Management Projects	Washout Valve Inspection	\$ 150
	Valve and Hydrant Inspection and Maintenance	\$ 5,720
	Pilot District Metering Area (four areas) Implementation	\$ 1,440
	Leakage Management Program	\$ 5,950
	Inflation	\$ 990
	Subtotal	\$ 14,250
II. Structural Rehabilitation	Rehabilitation in Project Area A	\$ 181,000
	Rehabilitation in Project Areas B1,B2	\$ 158,000
	Rehabilitation in Project Areas C1,C2	\$ 142,000
	Rehabilitation in Project Area D	\$ 127,000
	Rehabilitation in Project Area E	\$ 110,000
	Rehabilitation in Project Areas F1,F2	\$ 92,000
	Rehabilitation in Project Area G	\$ 131,000
	Rehabilitation in Project Area H	\$ 108,000
	Rehabilitation in Project Areas I1,I2,I3	\$ 83,000
	Rehabilitation in Project Area J	\$ 74,000
	Rehabilitation in Project Areas K1,K2,K3	\$ 34,000
	Rehabilitation in Project Areas L1,L2	\$ 93,000
	Rehabilitation in Project Areas M1,M2	\$ 71,000
	Rehabilitation in Project Areas N1,N2	\$ 71,000
	Rehabilitation in Project Area O	\$ 78,000
	Rehabilitation in Project Area P	\$ 78,000
	Rehabilitation in Project Area Q	\$ 54,000
	Rehabilitation in Project Area R	\$ 61,000
	Rehabilitation in Project Area S	\$ 66,000
	Rehabilitation in Project Area T	\$ 57,000
	Rehabilitation in Project Area U	\$ 55,000
	Inflation	\$ 836,940
	Subtotal	\$2,760,940
III. System Improvement Projects	Customer Meter Inspection and Maintenance Program	\$ 16,000
	GIS Data Management Implementation and Update	\$ 3,000
	System Optimization and Analysis	\$ 1,000
	Water Purification Plants Audit	\$ 150
	SCADA Installation and Data Automation	\$ 3,750
	Purification Plant Flow Meters Installation	\$ 1,000
	Inflation	\$ 8,220
	Subtotal	\$ 33,120
	Total Capital Cost	\$2,808,310

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SEWERAGE AND WATER BOARD OF NEW ORLEANS
MASTER PLANNING PROJECT MANAGEMENT CHART
DRAFT



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Strategy and Operations For Discussion



Strategy

- Discusses and sets overall priorities and goals to address long-term needs
- Guides planning that signals to leadership and staff what areas to focus on

Operations

- Provide oversight and completes more tactical analyses of issues
- Reviews key functional areas
- Addresses customer issues

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Next Steps

- Release RFP for Strategic Planning Services (ASAP)
- Begin to convene Customer Advisory Committee to obtain input and guide engagement
- Further refine Master Planner scope and process

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**For More info:
Swbno.org/projects/masterplan
planning@swbno.org**

