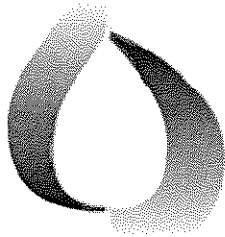


NOTICE OF BOARD MEETING & WORKSHOP

OF THE
BOARD OF DIRECTORS
OF THE



Inland Empire Utilities Agency
A MUNICIPAL WATER DISTRICT

WILL BE HELD ON
WEDNESDAY, NOVEMBER 5, 2014
10:00 A.M.
AT THE OFFICE OF THE AGENCY
6075 KIMBALL AVENUE, BUILDING A,
CHINO, CA 91761



AGENDA

**MEETING OF THE
BOARD OF DIRECTORS
&
BOARD WORKSHOP**

**WEDNESDAY, NOVEMBER 5, 2014
10:00 A.M.**

**INLAND EMPIRE UTILITIES AGENCY*
AGENCY HEADQUARTERS
6075 KIMBALL AVENUE, BUILDING A
CHINO, CALIFORNIA 91708**

CALL TO ORDER
OF THE INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS MEETING

FLAG SALUTE

PUBLIC COMMENT

Members of the public may address the Board on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Board on any matter, whether or not it appears on the agenda, are requested to complete and submit to the Board Secretary a "Request to Speak" form which are available on the table in the Board Room. Comments will be limited to five minutes per speaker. Thank you.

ADDITIONS TO THE AGENDA

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

1. **CHINO BASIN WATERMASTER UPDATE BY CBWM GENERAL MANAGER
PETER KAVOUNAS**

2. **WORKSHOP**

FACILITIES MASTER PLANNING WORKSHOP

3. ACTION ITEM

ADOPTION OF RESOLUTION NO. 2014-11-1, COMMENDING SUPERVISOR GARY OVITT FOR HIS 10 YEARS OF SERVICE AS THE FOURTH DISTRICT SUPERVISOR OF THE COUNTY OF SAN BERNARDINO BOARD OF SUPERVISORS

It is recommended that the Board adopt Resolution No. 2014-11-1, commending Supervisor Gary Ovitt for his 10 years of service as the Fourth District Supervisor of the County of San Bernardino Board of Supervisors


Materials related to an item on this agenda submitted to the Agency, after distribution of the agenda packet, are available for public inspection at the Agency's office located at 6075 Kimball Avenue, Chino, California during normal business hours.

4. GENERAL MANAGER'S REPORT (ORAL)

5. ADJOURN

*A Municipal Water District

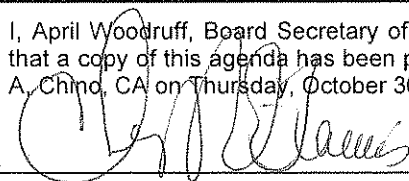
In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Board Secretary (909) 993-1736, 48 hours prior to the scheduled meeting so that the Agency can make reasonable arrangements.

Proofed by: 

Declaration of Posting

I, April Woodruff, Board Secretary of the Inland Empire Utilities Agency*, A Municipal Water District, hereby certify that a copy of this agenda has been posted by 5:30 p.m. at the Agency's main office, 6075 Kimball Avenue, Building A, Chino, CA on Thursday, October 30, 2014.

for


April Woodruff

**WORKSHOP
ITEM**

2

Facilities Master Planning November 2014 Board Workshop



Inland Empire Utilities Agency

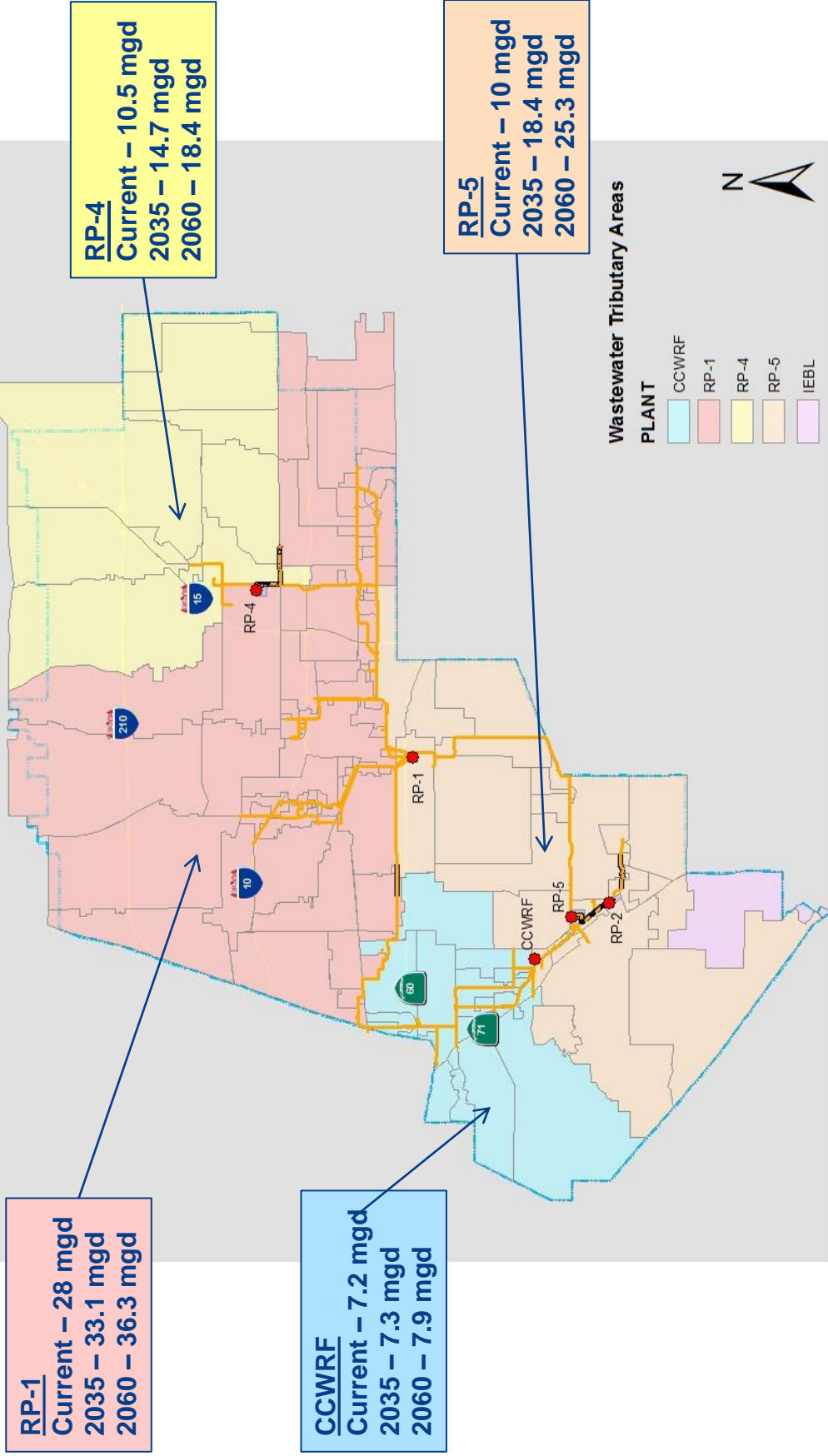
A MUNICIPAL WATER DISTRICT

Wastewater Facilities Master Plan (WWFMP)

Overview:

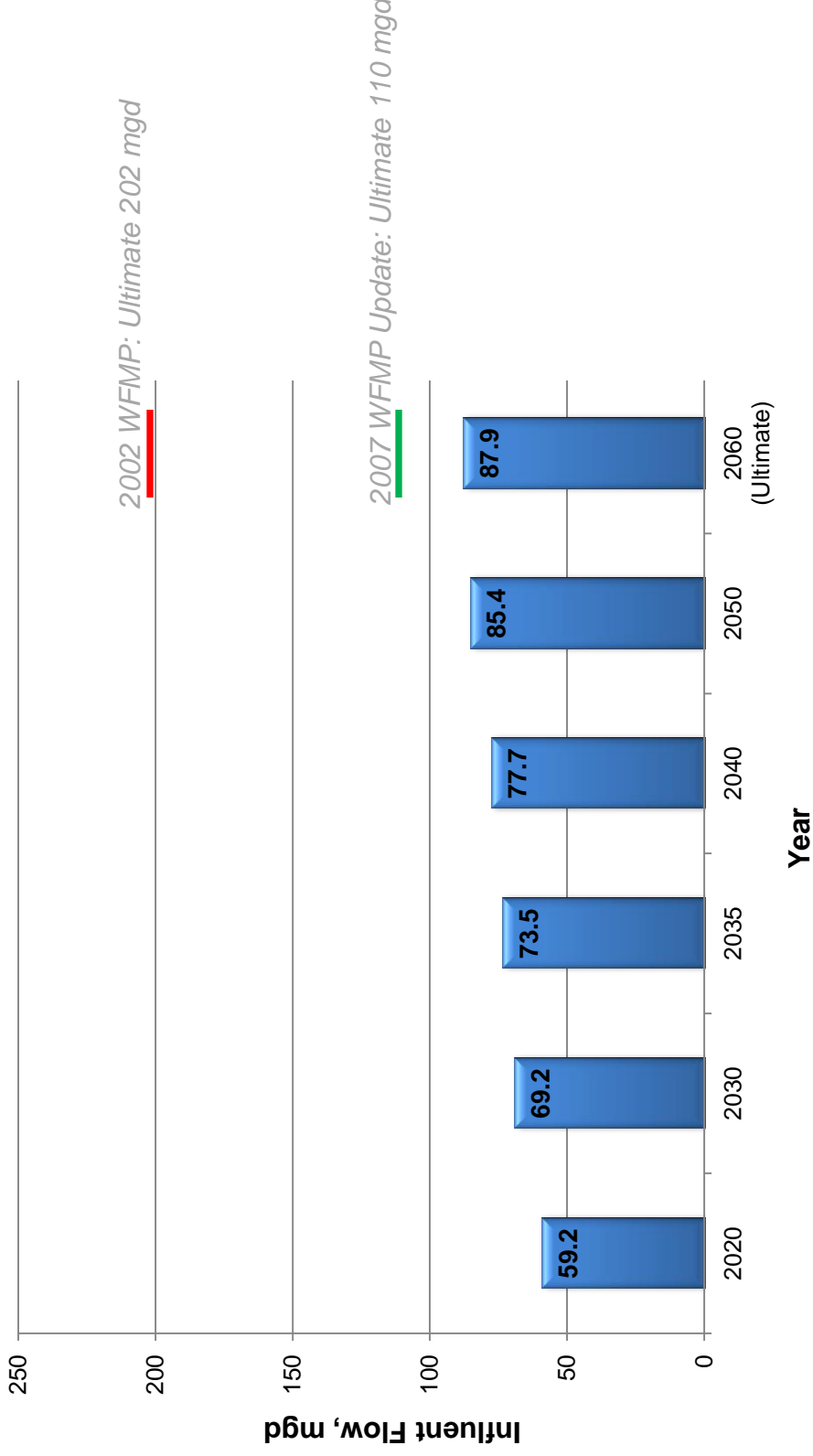
- Initiated July 2013
- Updated flow projections & analyzed treatment capacity
- Calibrated flow factors
- Developed loading factors in treatment capacity
- Flow diversion alternatives to maximize RW supply
- Correlate future expansions with IRP and RWPS

Tributary Sewer Flows¹



¹ Areas developed by IRP Wastewater Flows Projections TM (RMC 2013)

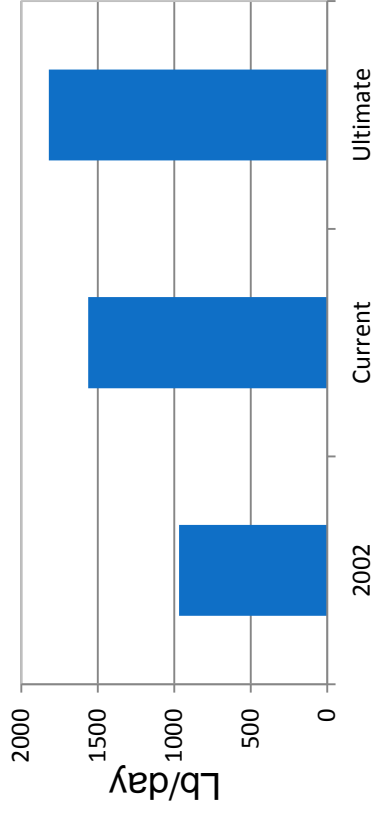
Projected Influent Flows¹



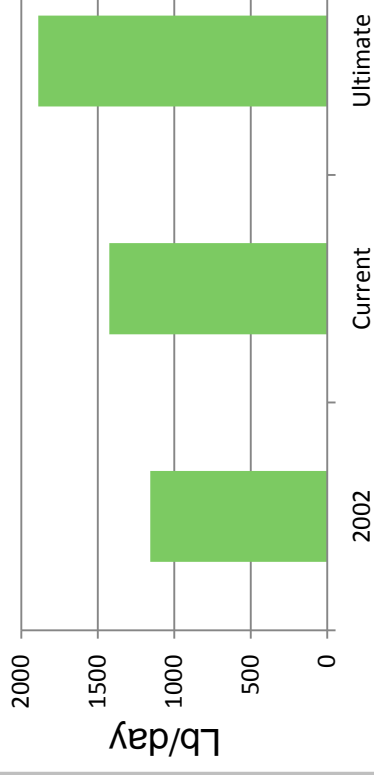
¹ Flows developed by IRP Wastewater Flows Projections TM (RMC 2013)

Influent Wastewater Loadings

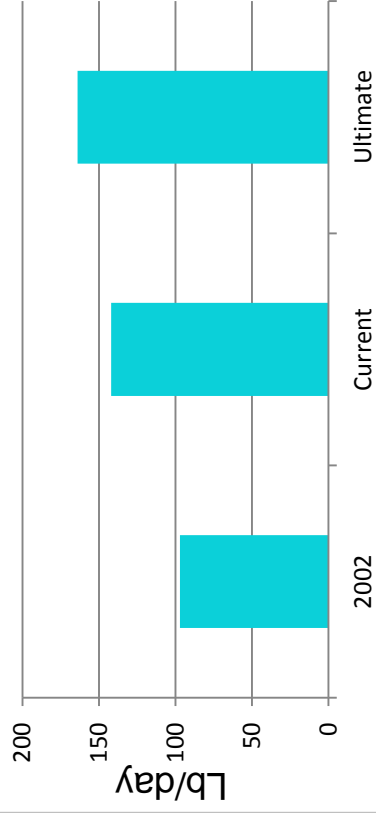
BOD



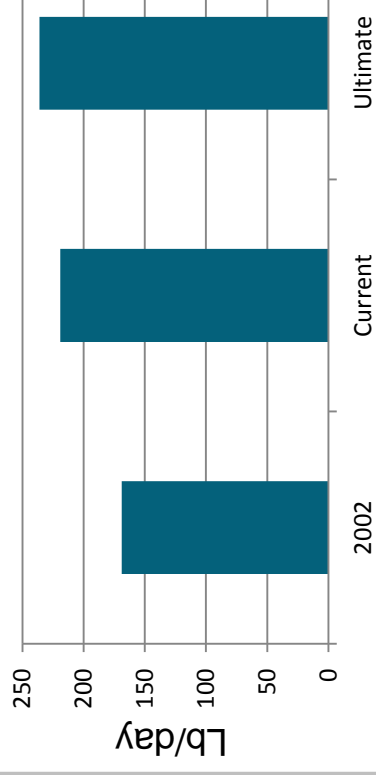
TSS



NH3-N



TKN



Existing Plant Capacities

Plant	Hydraulic Capacity (mgd)	Liquid Process (mgd)		Solids Handling (mgd)	
		Average Flow	All Units in	1 Unit out	All Units in
RP-1	44	32	28	44	38
RP-4	14	16	14		
RP-5	15	17	15	29	18
CCWRF	11.4	14	12		
Total	84.4	79	69	73	56

Flow Diversion Alternatives

Goal: optimize flow diversions for efficient operation and maximized RW Use

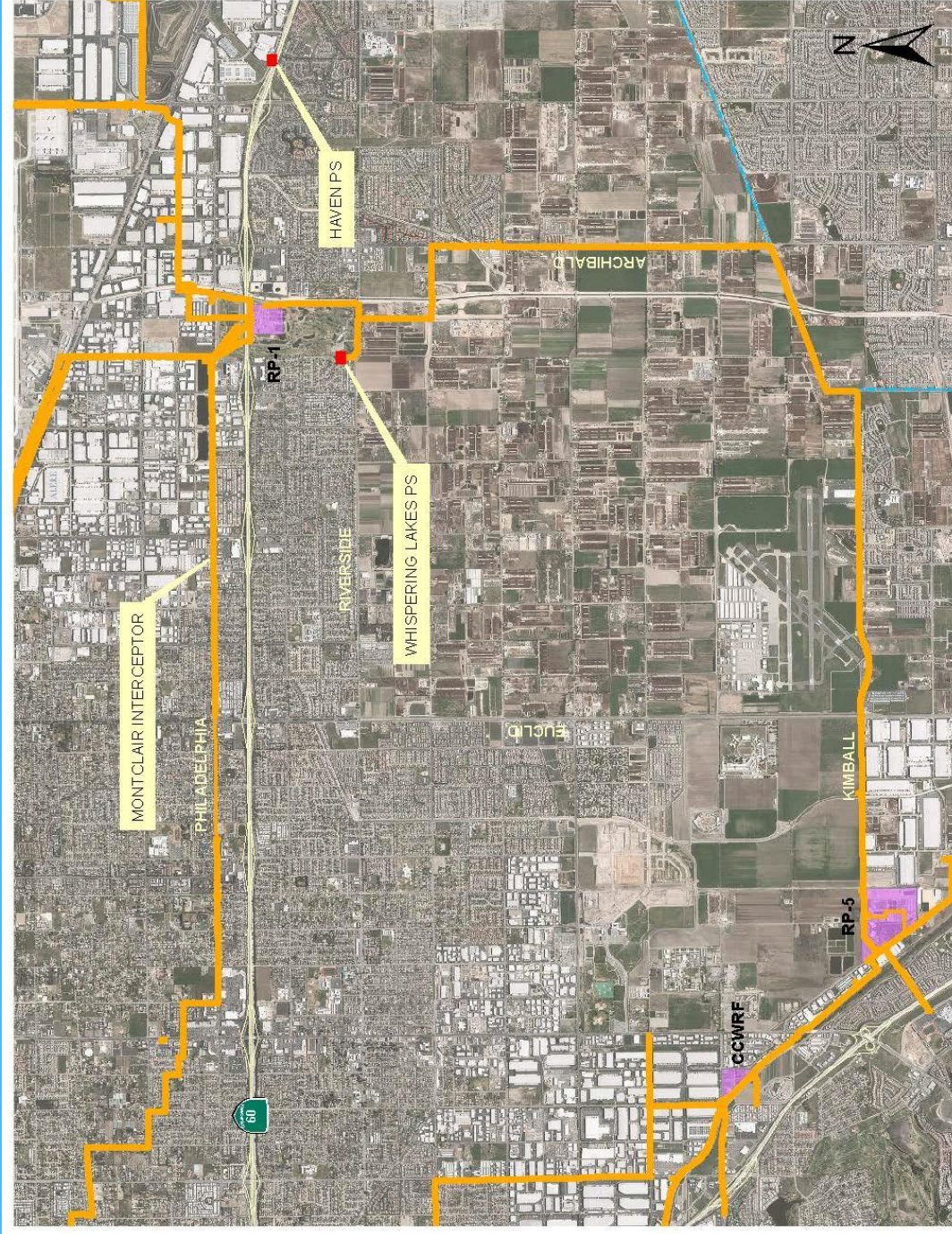
Alternatives:

1. Do Nothing
2. Pump Whispering Lakes and Haven sewer flows to RP-1
3. Construct regional sewer lift station and treat at RP-1
4. Treat sewer flows at RP-5 and pump RW to RP-1

Preferred Alternative:

- Alternative 2
- Includes RW Pump Station (Southern Zones) upgrades in later years

Preferred Alternative



IMPACTS

- * Expand secondary system at RP-1
- * Expand RP-5 to 22.5 MGD
- * Upsize Whispering Lakes Pump Station to 4.7 MGD
- * Upsize Montclair Interceptor to meet capacity

Process and Site Layout Planning

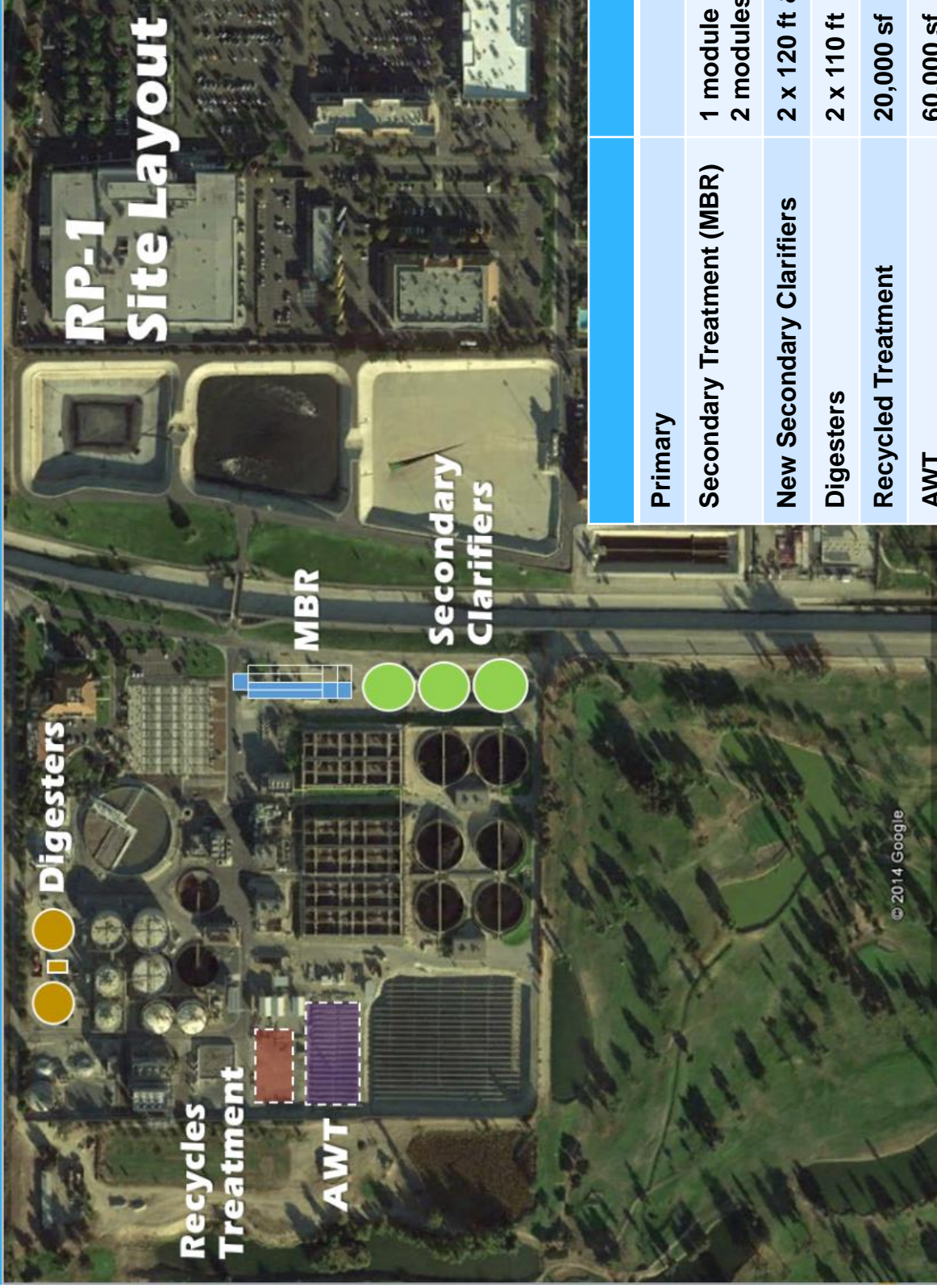
Technology

- Advanced treatment system
- MBR process for recycled water injection
- Site layouts based on ultimate influent flows and MBR footprint

Expansion Needs

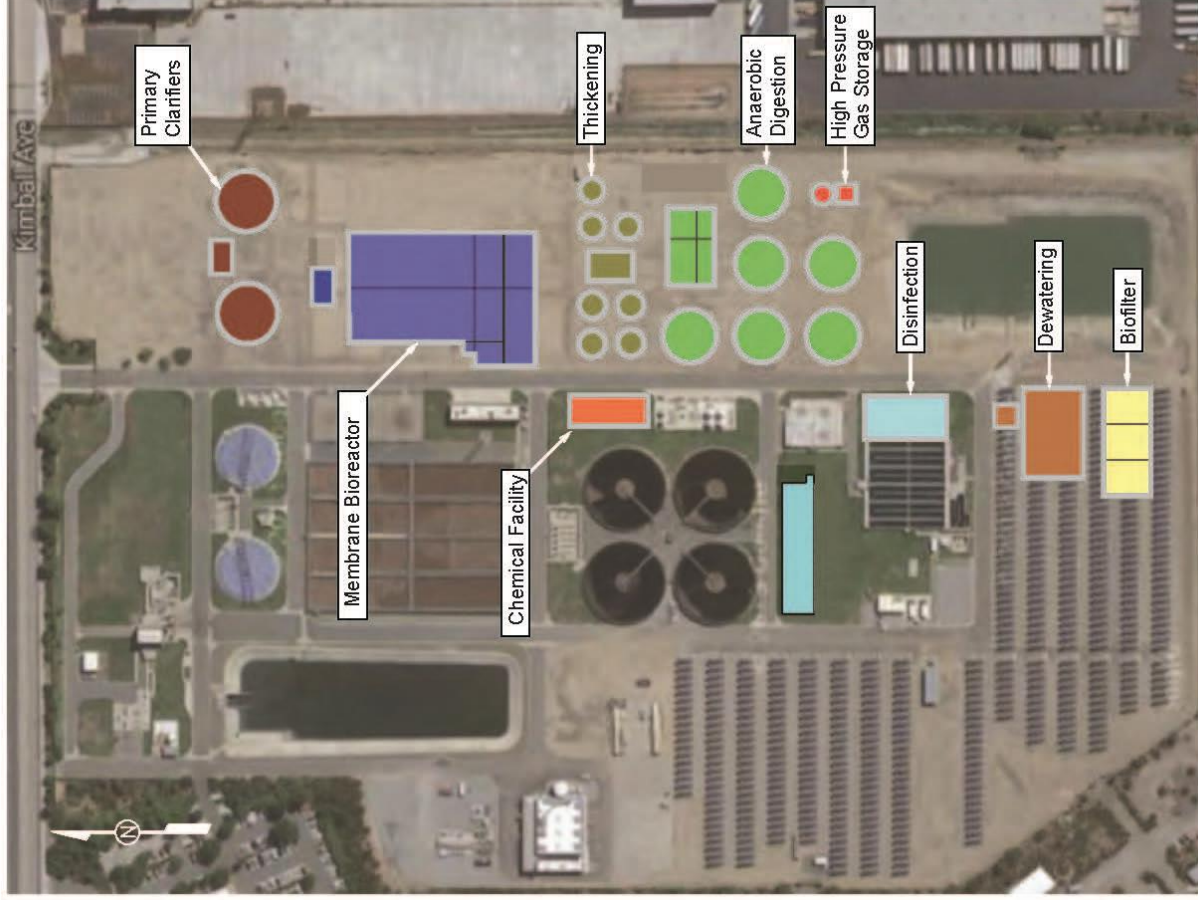
- RP-1: Secondary Treatment (MBR), Secondary Clarifiers (eliminate Primary equalization), Digesters
- RP-5: Gravity Thickener, DAFT, Anaerobic Digestion, Dewatering, Biofilters

RP-1 Ultimate Site Layout



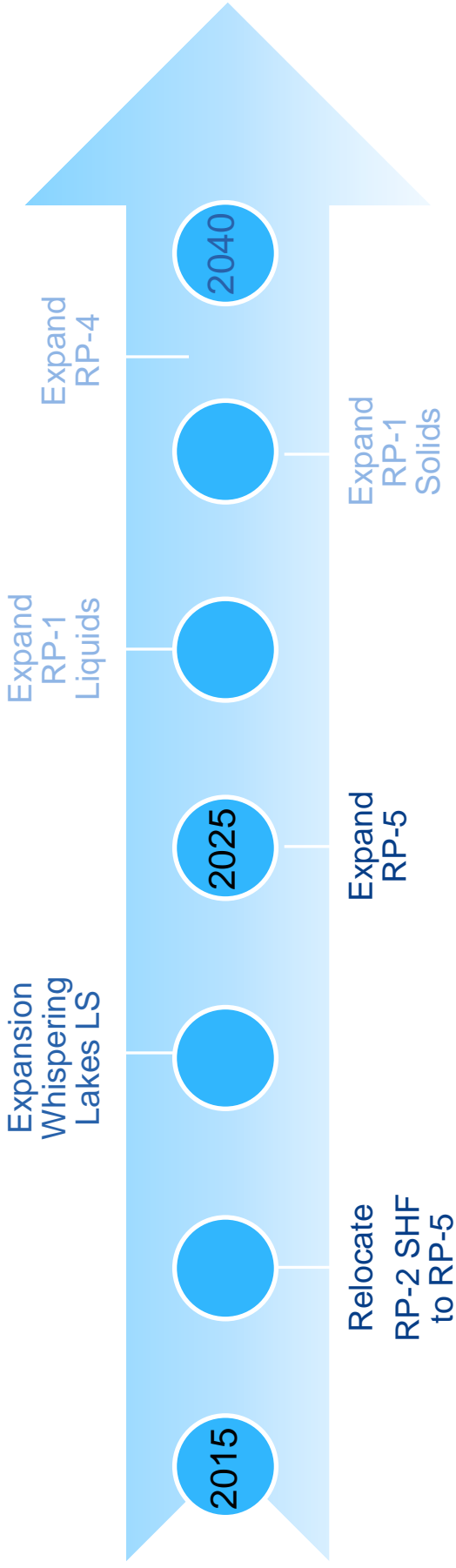
	Size
Primary	---
Secondary Treatment (MBR)	1 module (TIN = 8 mg/L) 2 modules (TIN = 5 mg/L)
New Secondary Clarifiers	2 x 120 ft & 1 x 130 ft
Digesters	2 x 110 ft
Recycled Treatment	20,000 sf
AWT	60,000 sf

RP-5 Ultimate Site Layout



Solids Handling	Size
Gravity Thickener	45' Diam
DAFT	40' Diam
Digesters	5 x 90 ft
High Pressure Gas Storage	35' Diam
Dewatering	100' x 150'
Biofilter	60' x 80'

DRAFT Implementation Schedule



Next Steps


- Prepare phased capital improvement projects with estimated costs in November 2014
- Produce a final WWFMP report in March 2015
- Initiate Pre-Design Report(s) for RP-1/RP-2



**ACTION
ITEM**

3

Date: November 5, 2014

To:  The Honorable Board of Directors

From: P. Joseph Grindstaff
General Manager

Subject: Adoption of Resolution No. 2014-11-1, Commending Supervisor Gary Ovitt for His 10 Years of Service as the Fourth District Supervisor of the County of San Bernardino Board of Supervisors

RECOMMENDATION

It is recommended that the Board of Directors adopt Resolution No. 2014-11-1, commending Supervisor Gary Ovitt for his 10 years of service as the Fourth District Supervisor of the County of San Bernardino Board of Supervisors

BACKGROUND

Supervisor Ovitt is retiring from the Fourth District of the County of San Bernardino Board of Supervisors after 10 years of service. He was sworn into office on December 6, 2004, and most recently, served as Vice Chair of the Board of Supervisors.

Supervisor Ovitt focused on promoting the County's educational programs, serving as chairman of the Head Start Program, and had continuous involvement in the County Schools Alliance for Education Partnership.

By adoption of this Resolution, the Inland Empire Utilities Agency's Board of Directors extends its most sincere appreciation and best wishes to Supervisor Gary Ovitt for his 10 years of dedicated service as the Fourth District Supervisor of the County of San Bernardino Board of Supervisors.

PRIOR BOARD ACTION

None.

IMPACT ON BUDGET

None.

RESOLUTION NO. 2014-11-1

RESOLUTION OF THE BOARD OF DIRECTORS OF THE INLAND EMPIRE UTILITIES AGENCY*, SAN BERNARDINO COUNTY, CALIFORNIA, COMMENDING SUPERVISOR GARY OVITT FOR HIS TEN YEARS OF SERVICE AS THE FOURTH DISTRICT OF THE COUNTY OF SAN BERNARDINO BOARD OF SUPERVISORS

SUPERVISOR GARY OVITT

WHEREAS, Supervisor Ovitt elected in 2004, has served as the Fourth District Supervisor and Vice Chair Board of Supervisors for the County of San Bernardino. He was former Chairman of the Board of Supervisors.

WHEREAS, Supervisor Ovitt focused on promoting the County's educational programs, serving as chairman of the Head Start program and continuous involvement in the County Schools Alliance for Education Partnership;

WHEREAS, Supervisor Ovitt serves on numerous boards and commissions, including Mayor of the City of Ontario, the Inland Empire Health Partnership, Ontario International Airport Authority, California State Association of Counties, and the National Association of Counties;

WHEREAS, Supervisor Ovitt served as President of the Southern California Association of the Governments, and former Chairman and current board Member of the San Bernardino County Associated Governments, the transportation multimedia/planning authority for the County and previously served as the County representative on the South Coast Air Quality Management District;

NOW, THEREFORE, BE IT RESOLVED, that the Inland Empire Utilities Agency's Board of Directors does hereby publicly extend its most sincere appreciation to Supervisor Gary Ovitt for his years of dedicated service as the Fourth District Supervisor for the County of San Bernardino Board of Supervisors.

Adopted this 5th day of November, 2014.

INLAND EMPIRE UTILITIES AGENCY BOARD OF DIRECTORS

Terry Catlin, President

Michael Camacho, Vice President

Steven J. Elie, Secretary/Treasurer

Gene Koopman, Director

Jasmin A. Hall, Director

**a Municipal Water District*

ADOPTED this 5th day of November, 2014.

Terry Catlin, President of the Inland Empire
Utilities Agency* and of the Board of
Directors thereof

ATTEST:

Steven J. Elie, Secretary of the Inland Empire Utilities
Agency* and of the Board of Directors
Thereof

STATE OF CALIFORNIA)
)SS
COUNTY OF SAN BERNARDINO)

I, Steven J. Elie, Secretary of the Inland Empire Utilities Agency*, DO HEREBY CERTIFY that the foregoing Resolution being No. 2014-11-1, was adopted at a regular Board Meeting on November 5, 2014, of said Agency by the following vote:

AYES:

NOES: None

ABSTAIN: None

ABSENT: None

Steven J. Elie, Secretary

*A Municipal Water District