

Integrated Resources Planning Committee  
Item #4d

Subject: Update on Member Agency Technical Process

Purpose: The purpose of this oral report is to provide the IRP committee with an update on activities and outcomes from the IRP Technical Workgroup process for July 2015

IRP Committee/July 28, 2015

Integrated Resources Planning Committee

Item #4d

This report provides an overview of the IRP member agency technical process activities for July 2015



## Update on Member Agency Technical Process

Integrated Resources Planning Committee  
Item 4d  
July 28, 2015

## Monthly IRP Technical Process Update

July 28, 2015

- Member Agency Workgroup Meetings June 24<sup>th</sup> and July 8<sup>th</sup>
  - Local Resources
- Water Use Efficiency Meeting July 16<sup>th</sup>
- Member Agency Workgroup Meeting July 22<sup>nd</sup>
  - Retail demands and conservation
- Upcoming Activities

## Member Agency Workgroup

June 24, 2015 – Local Resources Part 1 of 2

- Review of technical modeling and assumptions
  - Recycling
  - Groundwater recovery
  - Seawater desalination
- Review of IRP Issue Paper Addendum input
  - Recycled water
  - Seawater desalination
  - Stormwater
  - Graywater
  - Synergy

## Discussion Highlights

June 24, 2015 – Local Resources Part 1 of 2

- How is the local resources data provided used to develop forecasts?
  - Do you take into account the amount of source water available for recycling?
  - How do you apply hydrology impacts to the different supplies?
- Will the IRP Issue Paper Addendum touch on Metropolitan's role in local resources?
- Will the IRP Issue Paper Addendum look at cost profiles and rate impacts?

How is local resources data provided used to develop a forecast?

Do you take into account quantity of source water for recycling forecast?

What is the basis for varying desal in different year types?

How do you apply hydrology or weather impacts to the various supplies?

Recycled water Public perception has improved since last IRP update, still a ways to go.

Have you seen advancements in private and university development of technologies that will help lower costs?

Some cities are not able to do recycling because source water goes to IPR

Desal issue paper addendum seems focused on member agency development, will issue paper touch on to role of MWD?

Will the IRP look at cost profiles or forecasts?

Policy issue – regional projects, agencies should be able to opt out.

Graywater -

## Member Agency Workgroup

July 8, 2015 – Local Resources Part 2 of 2

- Review of technical modeling and assumptions
  - Surface water
  - Los Angeles Aqueduct
- Review of IRP Issue Paper Addendum outline
- Review of local projects inventory
- Other local resource discussion topics
  - Foundational actions
  - Local resources and the WSAP
  - Water-energy nexus

Does the treatment of new local supply development in the WSAP (or future shortage allocation approaches) affect IRP local supply targets or development policies?

## Discussion Highlights

July 8, 2015 – Local Resources Part 2 of 2

- How do all of these changes translate into the availability of water for storage?
- Will you evaluate dry and wet year scenarios in addition to the averages you are showing?
- Questions posed to the agencies
  - Why is the current inventory of potential projects so much less than the 2010 IRP?
  - What would you like to see as far as next steps for Foundational Actions?
  - Does the treatment of local supply development in the WSAP affect IRP targets or policies?



# Water Use Efficiency Meeting

July 16, 2015

- Draft conservation modeling results
- Review of IRP Issue Paper Addendum outline
- Discussion of primary issues
  - Where do you come up with your device savings factors?
  - Will you look at scenarios with continued active conservation spending?
  - Will you look at new ways to structure programs in the future?
  - Will you be doing research on market transformation?

From Joe Berg:

Interest in research related to market transformation. MWDOC estimates that they have replaced only 4% of turf to date. What does market transformation theory tell us about what it takes to pass the “chasm”; what investments are needed over what period of time? Pointed out that active conservation has carryover effects beyond straight device savings (behavior change, encourage code changes)

Under new ways to structure programs in the future, Interest in setting efficiency targets for retail customers, with conservation efforts focused on the “most wasteful” customers rather than largest gross water users. It could be a tool available to agencies that are unable or unwilling to adopt budget-based rates. Since they are not tied to rates, customer efficiency targets could be set more aggressively than if they were tied to rates.

## Member Agency Workgroup

July 22, 2015 – Retail Demands and Conservation

- New retail demand model development
- Retail demand forecast methodology
  - Changes in demographics
  - Conservation savings
  - Demand forecast
- IRP Issue Paper Addendum input from the WUE Meetings
- Discussion of primary issues

## Discussion Highlights

July 22, 2015 – Retail Demands and Conservation

- Did you create separate models for each member agency?
- How did you control for the impacts of weather?
- Why do you use the median tier rate as a measure of price?
- What other drivers did you consider in developing the models?
- How do you avoid double counting active and code-based savings?

### Technical/Data clarifications

- What data do you consider, where do you get your data?
- What changed from 2010 IRP forecast?
- Every basin is different, working on refinements individually

### Current basin conditions

- Current basin levels with extended drought
- Recent basin management actions
- Successes and potential areas where we could do better

### Regional Issue

- Basins are individual and unique, none are independent
- Ties to MWD storage, other local storage
- Ties to stormwater capture and recycling

## Upcoming Technical Process Activities

August 2015

- Member Agency Workgroup August 3<sup>rd</sup>
- IRP Committee Meeting August 18<sup>th</sup>
  - California Water Fix and the IRP
  - Technical Process Draft Results
    - Local supply forecasts by type
    - Retail demand and conservation forecasts
    - Imported supply forecasts
    - Supply/demand/storage balances
  - Update on IRP Outreach

## Upcoming Technical Process Activities

### September 2015

- Member Agency Workgroup September 9<sup>th</sup>
- IRP Committee Meeting September 22<sup>nd</sup>
  - **Technical Process Draft Results**
    - Supply/demand/storage scenarios
    - Potential resource development targets
  - **Update on IRP Outreach**

## Upcoming Technical Process Activities

October 2015

- Member Agency Workgroup October 5<sup>th</sup>
- IRP Public Outreach Workshop October 20<sup>th</sup>
- IRP Committee Meeting October 27<sup>th</sup>
  - Update on IRP outreach
  - IRP Issue Paper Addendum
  - Inventory of policy issues
  - Approach for “IRP Phase 2” Board process

