



● **Board of Directors**
Water Planning and Stewardship Committee

10/9/2018 Board Meeting

8-5

Subject

Adopt CEQA determination and approve an interim Local Resources Program target

Executive Summary

The Local Resources Program (LRP) provides funding to assist member agencies in developing new local supplies to meet the region's water needs as described in the Integrated Water Resources Plan (IRP). Considering the diminishing production of local supplies, particularly from groundwater, the region would benefit from the development of additional local projects. Further, local agencies have expressed interest in developing local projects that could be funded by the LRP. As a first step, staff seeks approval of an interim LRP target that would yield up to 170,000 acre-feet per year (AFY). The interim LRP target was adjusted upward by 20,000 AFY from staff's original recommendation to incorporate feedback received during the Water Planning and Stewardship Committee Meeting in September. This interim target yield will be revisited and potentially revised again upon completion of the next planned IRP update in 2020.

Details

Periodically, Metropolitan and its member agencies review the LRP and make recommendations to the Board to refine the program to better assist member agencies in developing local supplies. Since last June, staff has worked with member agencies and provided several reports to the Board on the status and challenges to local resources development. Based on input from the member agencies and the Board, staff reviewed the LRP target and recommends increasing it upwards from its current balance of 68,000 AFY to 170,000 AFY. The following provides information to support the staff recommendation.

LRP Background

Metropolitan established the LRP in 1982 to provide financial incentives to member agencies to develop new local supplies to assist in meeting the region's water needs. The LRP has evolved throughout the years with regard to project selection criteria and incentive amount to better assist member agencies to increase local supplies. Currently, the LRP provides member agencies with three incentive payment options for implementing water recycling, groundwater recovery, and seawater desalination projects to help meet the IRP goals. The LRP includes 107 projects, out of which 97 are in operation, and others are in various stages of development. Since its inception, the LRP has provided \$631 million for the production of 3.7 million acre-feet (MAF). The LRP, which benefits all member agencies regardless of project location, helps to increase regional water supply reliability, reduce demands for imported water supplies, decrease the burden on Metropolitan's infrastructure and reduce system costs, and free up conveyance capacity to the benefit of all system users. In addition, the LRP helps Metropolitan comply with a legislative direction under SB 60 to expand recycling and groundwater storage and replenishment measures.

IRP and Policy Principles

The role of Metropolitan in developing local supplies was further emphasized in the 2015 IRP Update and the new policy principles for local resource development adopted by the Board in July 2017. The 2015 IRP recognized that developing local resources, such as water recycling, groundwater recovery, and seawater desalination, are critical to meeting the region's water demand. Further, the 2017 policy principles directed

Metropolitan to take a more active role in identifying and developing local resources to help the region meet the IRP target.

Need for Additional Local Supplies

The severity of the State's recent drought, the extended dry period on the Colorado River, and the projected long-term impacts of climate change underscore the need for continued diversification of Southern California's water resource portfolio. Metropolitan's long-term IRP achieves diversification with an "all-of-the-above" approach. While maintaining Colorado River Aqueduct supplies and restoring the reliability of the State Water Project are the cornerstones of this approach, developing local climate-resilient resources, such as water recycling, groundwater recovery, and seawater desalination, is also critical. Metropolitan's 2015 IRP established a regional goal of 2.43 MAF in annual production from local supplies by the year 2040. This goal is significantly above production levels seen in recent years, which are closer to 1.97 MAF. Over the same 2040 planning horizon, local planning agencies project Metropolitan's service area to grow by more than three million people. New local projects are needed to meet local supply goals and growing future demands while reducing Southern California's reliance on additional imported water supplies.

Historically, local supplies were developed at the local agency level and included groundwater, surface water, the Los Angeles aqueduct, recycled water, groundwater recovery, and seawater desalination. Annual production of local supplies varies from year to year depending on hydrology and other factors. Groundwater is recognized as the main component of local supplies. However, groundwater production has been declining in recent years due to lack of natural and imported water for replenishment and other factors. The groundwater storage levels are at critically low levels, and there is no sign of near-term improvement without further actions. Source water quality control, stormwater management, and other actions are also necessary to protect the groundwater supplies from further degradation or contamination.

Other local supply components, such as recycled water and newly developed seawater desalination, are on the rise. However, the average production of all local supplies in recent years is only about 1.97 MAF. Under these conditions, the region needs to develop an additional 460,000 AFY of local supplies to meet the 2040 IRP target.

Interim LRP Target

In 2007, the Board set the LRP target at 174,000 AFY. Since then, Metropolitan has successfully signed agreements totaling 106,000 AFY, which leaves a balance of 68,000 AFY. However, Metropolitan has received applications requesting funding for additional projects totaling about 105,000 AFY. (This total only includes applications for projects not already in operation.) Member agencies also have indicated that they may submit applications for another 65,000 AFY in the next five years, although many of their projects are not yet well defined. Altogether, member agencies are planning to develop about 170,000 AFY of new local supplies.

Considering the need for additional local resources and the momentum by member agencies to develop projects, an increase in the LRP target demonstrates Metropolitan's willingness to support these new local supplies. In addition, setting a target helps frame Metropolitan's financial exposure and expected expenditures. Regardless of the status of the LRP target, the Board ultimately decides whether to approve a given LRP contract or not.

An interim LRP target of 170,000 AFY of new local supplies is recommended for the following reasons:

- Additional local supplies are needed to reach IRP targets in 2040.
- The 68,000 AFY of remaining capacity under the 2007 LRP target would not accommodate existing applications expected to be ready for board consideration in the next several years.
- An interim LRP target encourages local agencies to continue developing projects.
- An interim LRP target is complementary to other resource options, such as the potential Regional Recycled Water Program, which supports the region's groundwater production.

Based on input provided in the September Water Planning and Stewardship Committee, staff increased the proposed interim target upwards by 20,000 AFY from 150,000 AFY to 170,000 AFY. This interim yield could accommodate additional proposals that may move forward before staff revises the target during the next planned IRP update in 2020. The updated IRP will incorporate the latest supply and demand forecasts and updated assessments of local supply conditions.

Next Steps

If approved, staff will administer the LRP under the new interim LRP target and will present eligible projects for the Board's consideration for funding when the applications are complete, and the local agency is ready to move forward. In addition, staff will continue working with the member agencies and the Board on other LRP refinements, including program criteria and evaluation of stormwater and other resources for inclusion in the LRP. Staff anticipates bringing those refinements to the Board in 2019.

Policy

By Minute Item 50883, dated July 11, 2017, the Board adopted revised policy principles guiding Metropolitan's role in regional implementation of Integrated Water Resources Plan targets for local resources and conservation.

By Minute Item 50358, dated January 12, 2016, the Board adopted the 2015 Integrated Water Resources Plan Update.

By Minute Item 49923, dated October 14, 2014, the Board adopted refinements to the Local Resources Program.

By Minute Item 47049, dated April 10, 2007, the Board adopted Local Resources Program provisions, including increasing the targeted yield to 174,000 AFY of new production.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA (Public Resources Code Section 21065, State CEQA Guidelines Section 15378) because the proposed action will not cause either a direct physical change in the environment or a reasonably foreseeable indirect physical change in the environment and involves continuing administrative activities (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not defined as a project under CEQA because it involves other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines). Finally, where it can be seen with certainty that there is no possibility that the proposed action in question may have a significant effect on the environment, the proposed action is not subject to CEQA (Section 15061(b)(3) of the State CEQA Guidelines).

The CEQA determination is: Determine that the proposed action is not defined as a project under Public Resources Code Section 21065 and Sections 15378(b)(2) and 15378(b)(4) of the State CEQA Guidelines and is not subject to CEQA pursuant to Section 15061(b)(3) of the State CEQA Guidelines.

CEQA determination for Option #2:

None required

Board Options

Option #1

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and

Approve an interim Local Resources Program target yield of 170,000 AFY of new water.

Fiscal Impact: The 10-year expenditure forecast included in the current biennial budget includes annual LRP expenditures of approximately \$45 million. Staff estimates that annual LRP expenditures with this interim target could reach about \$75 million in the next 10 years based on the cost and yield data from several existing and planned projects and considering the historical production pattern of LRP projects. However, the LRP annual expenditures would be determined based on the projects' actual cost, production, and Metropolitan's water rate in each year. The actual budget will be set by the Board during the biennial budget cycle. In addition, every proposed project must be separately approved by the Board for LRP funding.

Business Analysis: Setting an interim LRP target yield of 170,000 AFY will help meet the region's water supply needs and will demonstrate Metropolitan's support of local water resource development.

Option #2

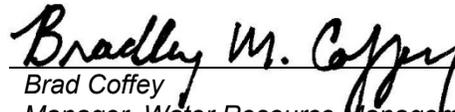
Take no action.

Fiscal Impact: Undetermined. Metropolitan would likely incur expenditures to find alternative supplies which offset underdeveloped local supplies.

Business Analysis: Staff would consider other initiatives to help achieve IRP target for local resources.

Staff Recommendation

Option #1


Brad Coffey
Manager, Water Resource Management

9/26/2018
Date


Jeffrey Kightlinger
General Manager

9/27/2018
Date

Ref# wrm12664586



- Board of Directors
Water Planning and Stewardship Committee

10/14/2014 Board Meeting

8-4

Subject

Authorize refinements to the Local Resources Program

Executive Summary

This action authorizes Local Resources Program (LRP) refinements to encourage and expedite local resource production, which would help meet the Integrated Water Resources Plan (IRP) goals and water use efficiency targets, and be responsive to current drought conditions.

Details

Since 2011, staff has worked with member agencies through a series of LRP process workgroups to identify constraints to local project development and explore effective strategies to increase local resource production. Staff recommends program refinements to (1) support the development of local resources consistent with the goals in Metropolitan's 2010 IRP, (2) support member agency project implementation, and (3) implement funding approaches that are cost-effective and sustainable based on the net financial impact to Metropolitan.

Background

Since 1982, Metropolitan has assisted local agencies in the development of local water recycling and groundwater recovery projects under the LRP. Metropolitan currently provides financial incentives up to \$250 per acre-foot (AF) of water production. Since program inception, Metropolitan has provided about \$490 million in incentives for the development of more than 2.0 million AF of recycled water and about 720,000 AF of recovered groundwater. There are currently 99 projects under the program, of which 85 are in operation. More than half the recycled water and groundwater recovery supplies produced annually in the region have been developed through this program.

The program was revised in 2007 with an updated goal of incentivizing 174,000 acre-feet per year (AFY) of new annual production. Currently, applications are reviewed on a first-come and first-served basis. The LRP incentive is calculated on a sliding scale, which reflects the project unit costs exceeding Metropolitan's prevailing water rate. Under the current LRP, the Board has approved 23 projects with a combined contractual yield of about 111,000 AFY. The remaining target is another 63,000 AFY of contractual yield.

In January 2014, Governor Brown declared a drought emergency due to California's historically low precipitation in calendar year 2013. This unprecedented drought condition persists today, and has drastically reduced water deliveries from the State Water Project (SWP). The LRP promotes the development of local supplies to help manage demands on Metropolitan's system, and increase regional reliability and availability. Projects developed in the near term as part of this program could help alleviate drought impacts should dry conditions continue. However, over the past year, Metropolitan has not received any new recycled water or groundwater recovery project applications for participation in the LRP. As a result, projects may not be developed in time to help alleviate the current drought and meet the IRP and water use efficiency goals. Based on discussions with member agencies, costs to develop and implement projects are a predominant constraint to initiating new projects.

In addition, production records indicate that existing recycled water projects supported by Metropolitan collectively are producing only about 70 percent of their capacity. Important limiting factors in reaching project capacity include: costs to reach customers furthest from treatment plants, on-site retrofit of customers' potable water systems, and required additional treatment to address water quality. Accordingly, Metropolitan developed the following programs which assist agencies in reducing the gap between production and contractual yield:

- 2007 – Public Sector Program: incentives for public agencies to convert potable water irrigation and industrial systems to recycled water
- 2013 – Foundational Actions Funding Program: matching funds for technical studies and pilot projects to reduce barriers and enhance regional understanding of the challenges and technical requirements necessary to develop future water supplies
- 2014 – On-site Retrofit Pilot Program: incentives for landowners to convert potable water irrigation and industrial systems to recycled water

In addition to the above programs, Metropolitan staff is recommending refinements to the LRP to further expedite development of new projects and motivate increased production of projects. These refinements include:

1. Increase the maximum incentive amount

High costs remain a significant barrier in developing local water supplies. Staff has reviewed the maximum incentive amount and recommends increasing it to \$340/AF. This increase reflects the rising costs of local project development in recent years. Staff looked at a number of methodologies to determine the incentive amount, including:

- (1) Consumer Price Index (CPI) inflation since 2007 (the last year the LRP was revised), and
- (2) Percent change in LRP project unit costs from 2007 to the present.

Applying the CPI inflation since 2007 would adjust the maximum incentive amount from \$250/AF to \$280/AF, an increase of \$30/AF. Staff analyzed a number of representative LRP projects and determined that the percent increase in the unit costs for these projects since 2007 was approximately 58 percent, which would adjust the maximum incentive amount from \$250/AF to \$395/AF, an increase of \$145/AF. Staff recommends setting the maximum incentive amount at \$340/AF, which is the midpoint of the range between \$280/AF and \$395/AF. This would provide an increase of about 35 percent in the maximum incentive level Metropolitan would offer under the LRP in order to spur additional local supply development.

It is recommended that this incentive amount be in place until the remaining LRP target of 63,000 AFY is achieved, at which time staff would review the program and make a recommendation to maintain this incentive amount or change based on needs and conditions at that time.

2. Offer alternate incentive payment structures

In addition to reviewing the incentive amount, staff also evaluated methods to update the incentive payment structure to bring new projects on-line faster and motivate increased production of projects. Staff recommends three alternative incentive payment structures be made available to the member agencies on a per project basis:

- Alternative 1 – Sliding Scale Incentives Over 25 Years (Current Payment Structure)
- Alternative 2 – Sliding Scale Incentives Over 15 Years (New Structure)
- Alternative 3 – Fixed Incentives Over 25 Years (Previously Approved Structure)

General Program Information is described in [Attachment 1](#).

Alternative 1 – Sliding Scale Incentives Over 25 Years (Current Payment Structure): Metropolitan would accept LRP applications for proposed projects on a continuous basis until the 63,000 AFY remaining target is reached. Applications would be reviewed for established milestones, such as planning, design, and status of environmental documentation. Sliding scale incentives of up to \$340/AF would be provided based on actual project unit costs exceeding Metropolitan's prevailing water rate, calculated annually. The LRP agreement term would be for 25 years.

Alternative 2 – Sliding Scale Incentives Over 15 Years (New Structure): This alternative is similar to Alternative 1, but the incentive amount is calculated over a shorter payment period (15 years versus 25 years), allowing for higher incentives earlier in the contract. The adjusted incentive amount includes a present value calculation, resulting in an equivalent maximum obligation to Metropolitan as Alternative 1 (Sliding Scale Incentives Over 25 years). Incentives of up to \$475/AF would be provided based on actual project unit costs exceeding Metropolitan's prevailing water rate, calculated over 15 years. The LRP agreement term would be for 25 years, but incentives would be provided up to the first 15 years of the contract. In addition to the current LRP performance provisions, projects must continue production for 25 years, even if LRP payments are reduced to zero after 15 years. If an agency fails to comply with these provisions for any of its LRP projects, Metropolitan would require the agency to reimburse Metropolitan to ensure that the costs incurred due to nonperformance are recovered.

Alternative 3 – Fixed Incentives Over 25 Years (Previously Approved Structure): Compared to sliding scale incentives that are dependent on Metropolitan's water rate, a fixed incentive rate would provide agencies with a more stable source of funds to help address financing issues. Agencies use LRP incentives as a means of income when securing financing for their projects. Fixed incentives provide stable income and help project financing. Under this approach, Metropolitan would offer a fixed incentive no greater than \$305/AF that is project specific over 25 years. This would be less than the \$340/AF incentive offered under the sliding scale alternatives to adjust for increased risk in absence of annual cost reconciliations. The fixed incentive rate for each project would be calculated such that Metropolitan's maximum obligation toward that project under this alternative would not exceed its estimated financial obligations under Alternative 1 for the same project. This alternative would be similar to the payment structure approved by Metropolitan's Board in May 2011 for the Chino Basin Desalination Program.

Detailed descriptions of the alternate incentive payment structures are included in [Attachment 2](#).

3. Include on-site recycled water retrofit costs in the LRP

In order for a site to receive recycled water, the potable water irrigation or industrial water systems must be retrofitted to receive recycled water. Site conversion is an integral part of any recycled water project. Site conversion costs can be another impediment to achieving full project capacity. Currently, on-site retrofit costs are not eligible for incentives in the LRP. Making these costs eligible under the LRP would help bring end users on-line quicker, facilitate deliveries, and encourage increased recycled water project production. Eligible costs would include retrofit design, permitting, construction, and connection fees. Staff recommends including on-site retrofit costs as eligible costs in the LRP.

4. Include other water resources in the LRP

The IRP calls for the development of a diverse resource portfolio with projects that help meet future demands and increase reliability in the region. The following additional resources were evaluated for inclusion in the LRP:

- **Seawater Desalination:** In 2001, Metropolitan implemented the Seawater Desalination Program (SDP), which provided funding for development of seawater desalination projects similar to the LRP. However, the SDP agreements did not include performance provisions like those included in the LRP. Staff recommends accepting and evaluating new seawater desalination project applications as part of the LRP and its eligibility criteria.
- **Stormwater:** Metropolitan's Foundational Actions Funding Program currently includes two stormwater studies/projects. The results of these studies, along with additional studies on long-term quantity and regional benefits of stormwater development, are needed prior to making recommendations on the eligibility of stormwater projects in the LRP.

5. Provide reimbursable services

The current drought conditions resulted in the lowest allocation in the more than 50-year history of the SWP. To accelerate development of local supplies, staff recommends entering into reimbursable agreements with member agencies for the development of ready-to-proceed local projects that help manage demands on Metropolitan's

system, and increase regional reliability and availability. Metropolitan's participation would help meet member agencies' strategic needs by expediting development of projects. Metropolitan would offer a variety of technical and financial services.

For projects proposed by member agencies, Metropolitan would consider the following:

- Water quantity to ensure that the project makes a meaningful addition to regional reliability,
- Water quality to confirm that project water would meet all water quality objectives,
- Ensure that the project helps meet the IRP resource needs,
- Ability to help address current and future drought conditions,
- Impacts to Metropolitan's cash flow (delivered cost of the project),
- The need for Metropolitan's involvement to expedite project completion,
- The availability of Metropolitan resources to expedite project completion, and
- Compliance of the project with all permitting and environmental requirements.

Based on a favorable assessment, Metropolitan staff would request board authorization for reimbursable projects proposed by member agencies. This approach has been successfully used in the past. Metropolitan and the Los Angeles Department of Water and Power (LADWP) successfully entered into a similar reimbursable project agreement when SWP deliveries were restricted in 2008 (35 percent allocation) and 2009 (40 percent allocation). In December 2008, Metropolitan's Board approved a \$12 million reimbursable agreement for a groundwater recovery project at the Tujunga well field. This project was completed with full reimbursement to Metropolitan and it is operated today by LADWP, successfully producing groundwater recovery supplies that help manage demands on Metropolitan's system, and increase regional reliability and availability. In September 2014, Metropolitan's Board approved a \$20 million reimbursable agreement with the LADWP for future potential groundwater recovery projects to enhance water supplies within the Metropolitan service area.

A detailed description of the reimbursable services is included in [Attachment 3](#).

Next Steps

If approved, staff will implement the refined Local Resources Program. Terms for projects with existing agreements will remain the same. These LRP refinements will help reach the 2007 LRP target. Staff will evaluate the need to increase the LRP target as part of the 2015 IRP Update process.

Policy

By Minute Item 48449, dated October 12, 2010, the Board adopted the 2010 Integrated Water Resources Plan.

By Minute Item 47049, dated April 10, 2007, the Board adopted the Local Resources Program Provisions including a goal of 174,000 acre-feet per year of new production.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is not defined as a project under CEQA because it involves continuing administrative activities, such as general policy and procedure making (Section 15378(b)(2) of the State CEQA Guidelines). In addition, the proposed action is not subject to CEQA because it involves other government fiscal activities, which do not involve any commitment to any specific project which may result in a potentially significant physical impact on the environment (Section 15378(b)(4) of the State CEQA Guidelines). Before any final commitment of resources is made to any specific project, the appropriate CEQA analysis will be completed.

The CEQA determination is: Determine that the proposed action is not defined as a project and is not subject to CEQA pursuant to Sections 15378(b)(2) and 15378(b)(4) of the State CEQA Guidelines.

CEQA determination for Option #2:

None required

Board Options

Option #1

Adopt the CEQA determination that the proposed action is not defined as a project and is not subject to CEQA, and authorize

- a. Increasing the LRP maximum incentive amount to \$340/AF;
- b. Including alternative payment structures for new local projects as outlined in **Attachment 2** and the general program information outlined in **Attachment 1**;
- c. Including on-site retrofits as eligible costs in the LRP;
- d. Including seawater desalination as an eligible resource in the LRP; and
- e. Entering into reimbursable agreements with member agencies as outlined in **Attachment 3**.

Fiscal Impact: Metropolitan’s maximum exposure, in addition to the amount authorized by the Board in 2007, is \$90/AF (\$340-\$250), which totals about \$142 million at the maximum incentive rate for 63,000 AFY over 25-year agreement terms. Financial impacts of specific projects will be provided when their respective LRP agreements are brought to the Board for consideration.

Business Analysis: Program implementation will encourage and expedite local resource production, which would help meet the Integrated Water Resources Plan (IRP) goals and water use efficiency targets, and respond to current drought conditions.

Option #2

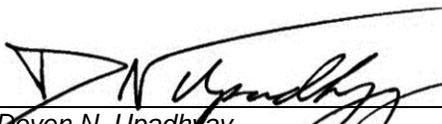
Take no action.

Fiscal Impact: None

Business Analysis: Staff would forgo an opportunity to increase local resources development in order to meet IRP goals, water use efficiency targets and respond to current drought conditions.

Staff Recommendation

Option #1

 Deven N. Upadhyay Manager, Water Resource Management	10/2/2014 Date
 Jeffrey Kightlinger General Manager	10/2/2014 Date

- Attachment 1 – Local Resources Program General Program Information**
- Attachment 2 – Local Resources Program Alternate Incentive Payment Structures**
- Attachment 3 – Reimbursable Services**

Local Resources Program General Program Information

General Requirements

The Local Resources Program (LRP) provides incentives for development of new water recycling, groundwater recovery, and seawater desalination projects in Metropolitan's service area. Unless otherwise approved by Metropolitan, proposed projects must comply with the following general requirements:

1. Project must replace an existing demand or prevent a new demand on Metropolitan's imported water deliveries either through direct replacement of potable water or increased regional groundwater production.
2. Project must not exist or be under construction prior to application submittal. Projects that commence construction after application submittal and prior to executing an agreement with Metropolitan would be subject to agency's sole financial risk.
3. Project must include construction of new substantive treatment or distribution facilities.
4. Proposals must be supported by a Metropolitan member agency.
5. Project must be owned and operated by the agency, and Metropolitan has no ownership or operational obligations toward the project.
6. Project must comply with the Metropolitan Water District Act and applicable laws.
7. Project must comply with CEQA and/or NEPA provisions prior to Metropolitan board approval.
8. Metropolitan's Board must approve each project prior to incentive agreement execution.
9. Project must have obtained all required Regional and State permits prior to receiving Metropolitan board approval.
10. Additional requirements specific to each project will be developed to address system integration issues related to use of Metropolitan's facilities, if needed.

Project Phasing

Metropolitan would only consider new projects that are ready for construction and capable of achieving stated production capacities in the near future. To that end, Metropolitan would consider phasing of projects with long ramp-up schedules. LRP funding would be provided to only initial phases that are well positioned to produce water. Future phases would be considered for inclusion at later dates when production is more imminent.

Some existing LRP projects are not fully developed and need more time beyond the term of current agreements to reach full capacity. To help advance expansion of those projects, Metropolitan would apply the project phasing principle. Existing agreements would be truncated at current production levels and new agreements would be negotiated for remaining phases.

The existing LRP agreements and new project proposals shall not be subdivided into more than three phases.

General Performance Provisions

The following performance provisions would apply to new and amended agreements to ensure timely and responsive project development and production. These provisions would allow Metropolitan to adjust or

withdraw financial commitments to projects that fail to meet development and production milestones outlined in the following table.

Timeline (full fiscal year)	Milestone	Consequence if target is not achieved
Two years after agreement execution	Start construction	Agreement may be terminated*
Four years after agreement execution	Start operation	Agreement may be terminated*
Four-Seven years after agreement execution	50 percent of contract yield	Contract yield may be reduced
8-11 years after agreement execution	75 percent of contract yield**	Same as above
12-15 years and every four years thereafter	75 percent of contract yield**	Same as above

* Entities may appeal termination to Metropolitan's Board of Directors.

** Ultimate yield or revised ultimate yield due to project's performance in previous years (if applicable)

Program Target

The current program was adopted in 2007 with a goal of incentivizing 174,000 AFY of new annual production. Under the current program, the Board has approved 23 projects with a combined contractual yield of about 111,000 AFY, resulting in a remaining target of 63,000 AFY.

Process Overview

Program refinements do not apply to projects with existing LRP agreements. Metropolitan would accept project applications on an open and continuous basis until the LRP target is achieved. Staff would review project applications to ensure compliance with general program requirements. Project proposals that have met the General Requirements (previously described) and secured approval of draft agreement terms by the respective governing bodies would be forwarded to Metropolitan's Board for approval of LRP participation through an agreement. Upon board approval, staff would meet with project sponsors and respective member agencies to negotiate terms and execute agreements. LRP agreement terms are for 25 years.

Local Resources Program Alternate Incentive Payment Structures

Incentive Payment Structures

Agencies can choose from one of the following three alternative incentive payment structures for each of their eligible projects to participate in the LRP:

- Alternative 1 – Sliding Scale Incentives Over 25 Years (Current Payment Structure)
- Alternative 2 – Sliding Scale Incentives Over 15 Years (New Structure)
- Alternative 3 – Fixed Incentives Over 25 Years (Previously Approved Structure)

Alternative 1 - Sliding Scale Incentives Over 25 Years (Current Payment Structure)

Metropolitan would provide member or retail agencies a sliding scale incentive up to \$340/AF over 25 years, calculated annually based on actual project unit costs exceeding Metropolitan's prevailing water rate, for project water produced and used.

Eligible project costs include an agency's out of pocket costs normally associated with developing local resource projects including design, capital, operations, maintenance, and replacement costs. Incentive payments are subject to a follow-up cost reconciliation process with adjustments for under- or over-payment to be included in subsequent water service invoices from Metropolitan.

Alternative 2 - Sliding Scale Incentives Over 15 Years (New Structure)

This alternative is similar to the current program, but the incentive amount is calculated over a shorter payment period (15 years versus 25 years), allowing for higher incentives earlier in the contract. The adjusted incentive amount includes a present value calculation, resulting in an equivalent maximum obligation to Metropolitan as Alternative 1 (Sliding Scale Incentives Over 25 years). Metropolitan would provide member or retail agencies a sliding scale incentive up to \$475/AF over 15 years, calculated annually based on actual project unit costs exceeding Metropolitan's prevailing water rate, for project water produced and used. Eligible project costs are the same as Alternative 1. Incentive payments are subject to a follow-up cost reconciliation process with adjustments for under- or over-payment to be included in subsequent water service invoices from Metropolitan. In addition to the current LRP performance provisions, projects must continue production for 25 years, even if LRP payments are reduced to zero after 15 years. This provision ensures continued production throughout the contract term. If an agency fails to comply with these provisions, Metropolitan may require reimbursement for a percentage of the previous LRP payments toward that project. The reimbursement would be determined for each year remaining in the agreement considering the following:

- The previous LRP payments
- The previous project yield
- Project yield in the year in which a reimbursement is required

Alternative 3 – Fixed Incentive Over 25 Years (Previously Approved Structure)

Compared to sliding scale incentives that are dependent on Metropolitan's water rate, a fixed incentive rate provides agencies with a more stable source of funds to help address financing issues. Agencies use LRP incentives as a means of income when securing financing for their projects. Fixed incentives provide stable income and help agencies with securing capital funds. Metropolitan would offer a project-specific fixed incentive rate, not to exceed \$305/AF, over 25 years. The fixed incentive amount for each project would be negotiated so that Metropolitan's maximum obligation toward that project

under this alternative would not exceed the estimated financial obligations under Alternative 1 for the same project, and be adjusted for increased financial risk to Metropolitan in absence of annual cost reconciliations.

In addition to the general requirements and performance provisions, the following provision would apply to this alternative: Total LRP payments under the agreement term would be limited to total estimated project yield presented by the agency at the time of agreement negotiation.

Reimbursable Services

Metropolitan would enter into a reimbursable agreement with requesting member agencies for the development of local resource projects that help manage demand on Metropolitan's system, and increase regional reliability and availability. Metropolitan's participation would help meet the member agencies' strategic needs by expediting development of projects. Metropolitan's participation in a reimbursable service agreement would depend on the need to accelerate delivery of the projects in order to meet resource needs or improve reliability.

For projects proposed by member agencies, Metropolitan would consider the following:

- Water quantity to ensure that the project makes a meaningful addition to regional supply reliability,
- Water quality to confirm that project water will meet all water quality objectives,
- Ensure that the project helps meet the IRP resource needs,
- Ability to help address current and future drought conditions,
- Impacts to Metropolitan's cash flow (delivered cost of the project),
- The need for Metropolitan's involvement to expedite project completion,
- The availability of Metropolitan resources to expedite project completion, and
- Compliance of the project with all permitting and environmental requirements.

Metropolitan's obligations may include:

- Conduct feasibility studies as needed,
- Perform technical and water quality analyses as needed,
- Perform project management, procurement, installation/construction, and start-up/operations,
- Perform engineering design including drawings and performance specifications,
- Develop construction and operating cost estimates, and
- Contract with vendor.

Agency obligations would include:

- To serve as the Lead Agency under the California Environmental Quality Act,
- Obtain all necessary permits,
- Meet all applicable standards (e.g., water quality),
- Operate project upon termination of agreement, and
- Reimburse Metropolitan for all its actual costs, including labor, equipment, materials, and other services.

The amount of the reimbursable agreement would be determined on a case-by-case basis. The agency would reimburse Metropolitan for all direct and indirect costs incurred, including the cost of capital and the fully burdened cost of Metropolitan's staff.