

**Columbia River Water Use Plan
Kinbasket & Arrow Reservoir Revegetation Management Plan
Monitoring Program and Physical Works**

Annual Report: 2020

Implementation Period: February 2019 to January 2020

- **CLBMON-9 Kinbasket Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis**
- **CLBMON-10 Kinbasket Reservoir Inventory of Vegetation Resources**
- **CLBMON-11A Wildlife Effectiveness Monitoring of Revegetation in Kinbasket Reservoir**
- **CLBMON-11B Wildlife Effectiveness Monitoring of Revegetation and Wildlife Physical Works in the Arrow Lakes Reservoir**
- **CLBMON-12 Arrow Lakes Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis**
- **CLBMON-13 Inventory of Mosquito Populations in the Revelstoke Area**
- **CLBMON-33 Arrow Lakes Reservoir Inventory of Vegetation Resources**
- **CLBMON-35 Arrow Lakes Reservoir Plant Response to Inundation**
- **CLBMON-57 Plant Communities**
- **CLBWORKS-1 Kinbasket Reservoir Revegetation Program Physical Works**
- **CLBWORKS-2 Arrow Lakes Reservoir Revegetation Program Physical Works**

Conditional Water Licences for Kinbasket storage (27068 and 39432), Mica diversion (39431), Revelstoke diversion and storage (47215), and Arrow storage (27066)

February 28, 2020

BC Hydro Columbia River Project Water Use Plan Kinbasket & Arrow Reservoir Revegetation Management Plan Monitoring Programs and Physical Works Annual Report: 2020

1 Introduction

This document represents a summary of the status and the results of the Columbia River Kinbasket and Arrow Reservoir Revegetation Management Plan Water Use Plan (WUP) monitoring programs and physical works to January 31, 2020, as per the Columbia River Order under the *Water Act*, dated January 26, 2007. There are nine monitoring programs and two physical works.

2 Status

The following table outlines the dates that Terms of Reference (TOR) for the Kinbasket and Arrow Reservoir Revegetation Management Plan WUP monitoring programs and physical works were submitted to and approved by the CWR.

Table: 2-1: Dates of Kinbasket and Arrow Reservoir Revegetation Management Plan WUP TOR Submissions and Approvals by the Comptroller of Water Rights

Monitoring Program & Physical Works TOR	Order Clause	Original TOR Submission		Most Recent TOR Resubmission	
		Date Submitted	Date Approved	Date Submitted	Date Approved
CLBMON-9 Kinbasket Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis	Schedule A, Clause 2(a)	Jan 25, 2008	Mar 03, 2008	Sep 17, 2010	Oct 26, 2010
CLBMON-10 Kinbasket Reservoir Inventory of Vegetation Resources	Schedule A, Clause 2(b)	Apr 04, 2007	Apr 19, 2007	Jan 12, 2009	Apr 08, 2009
CLBMON-11A Wildlife Effectiveness Monitoring of Revegetation in Kinbasket Reservoir	Schedule A, Clause 2(c)	Jan 25, 2008	Feb 26, 2008	Jun 13, 2017	Aug 18, 2017
CLBMON-11B Wildlife Effectiveness Monitoring of Revegetation and Wildlife Physical Works in the Arrow Lakes Reservoir	Schedule C, Clause 5(a); Schedule D, Clause 2(a)	Apr 03, 2009	May 11, 2009	Jun 29, 2017	Aug 18, 2017
CLBMON-12 ONR Arrow Lakes Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis	Schedule C, Clause 2(a) (b); Schedule D, Clause 2(b) (c)	Jan 12, 2009	Apr 08, 2009	Mar 29, 2016	Apr 19, 2016
CLBMON-12 OR Arrow Lakes Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis	Schedule C, Clause 2(a) (b); Schedule D, Clause 2(b) (c)	Jan 25, 2008	Mar 03, 2008	Mar 29, 2016	Apr 19, 2016
CLBMON-13 Inventory of Mosquito Populations in the Revelstoke Area	Schedule C, Clause 5(b)	Jan 25, 2008	Feb 26, 2008		
CLBMON-33 ONR Arrow Lakes Reservoir Inventory of Vegetation Resources	Schedule C, Clause 2(b) Schedule D, Clause 2(c)	Jan 12, 2009	Apr 08, 2009		
CLBMON-33 Arrow Lakes Reservoir Inventory of Vegetation Resources	Schedule C, Clause 2(b) Schedule D, Clause 2(c)	Apr 04, 2007	Apr 19, 2007	Jan 12, 2009	Apr 08, 2009
CLBMON-35 Arrow Lakes Reservoir Plant Response to Inundation	Schedule C, Clause 2(c); Schedule D, Clause 2(d)	Jan 25, 2008	Apr 08, 2008	Jan 13, 2016	Mar 10, 2016
CLBMON-57 Plant Communities	Clause 2.a Amended Order	May 16, 2013	Jul 02, 2013		
CLBWORKS-1 Kinbasket Reservoir Revegetation Program Physical Works	Schedule A, Clause 1(a)	Apr 27, 2007	May 03, 2007	Jun 01, 2015	Jun 10, 2015
CLBWORKS-2 Arrow Lakes Reservoir Revegetation Program Physical Works (Phase 1)	Schedule C, Clause 1(a); Schedule D, Clause 1(a)	Apr 27, 2007	May 03, 2007		
CLBWORKS-2 Arrow Lakes Reservoir Revegetation Program Physical Works (Phase 2)	Schedule C, Clause 1(a); Schedule D, Clause 1(a)	Feb 26, 2008	Apr 23, 2008		
CLBWORKS-2 Arrow Lakes Reservoir Revegetation Program Physical Works (Phase 3)	Schedule C, Clause 1(a); Schedule D, Clause 1(a)	Jul 06, 2010	Aug 10, 2010		
CLBWORKS-2 Arrow Lakes Reservoir Revegetation Program Physical Works (Phase 4)	Schedule C, Clause 1(a); Schedule D, Clause 1(a)	Feb 18, 2013	Mar 05, 2013		

3 Schedule

The following table outlines the current schedule for the monitoring programs and physical works being delivered for the Kinbasket and Arrow Reservoir Revegetation Management Plan WUP.

Table 3-1: Monitoring Programs and Physical Works Schedule as of January 31, 2020

Monitoring Programs	2007 WLR YR1	2008 WLR YR2	2009 WLR YR3	2010 WLR YR4	2011 WLR YR5	2012 WLR YR6	2013 WLR YR7	2014 WLR YR8	2015 WLR YR9	2016 WLR YR10	2017 WLR YR11	2018 WLR YR12	2019 WLR YR13	2020 WLR YR14	2021 WLR YR15
CLBMON-9 Kinbasket Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis		✓	✓		✓		✓		✓			✓F			
CLBMON-10 Kinbasket Reservoir Inventory of Vegetation Resources	✓	✓		✓		✓		✓		✓F					
CLBMON-11A Wildlife Effectiveness Monitoring of Revegetation in Kinbasket Reservoir		✓	✓	✓		•	✓*	✓	✓	✓	✓	✓F			
CLBMON-11B Wildlife Effectiveness Monitoring of Revegetation in the Arrow Lakes Reservoir			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	■	■
CLBMON-12 Arrow Lakes Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis		✓	✓		✓		✓		✓		✓F				
CLBMON-13 Inventory of Mosquito Populations in the Revelstoke Area			✓F												
CLBMON-33 Arrow Lakes Reservoir Inventory of Vegetation Resources	✓	✓		✓		✓		✓		✓					
CLBMON-35 Arrow Lakes Reservoir Plant Response to Inundation											✓		✓		
CLBMON-57 Plant Communities												✓F			
Physical Works															
CLBWORKS-1 Kinbasket Reservoir Revegetation Program Physical Works	✓	✓	✓	✓	✓	x	✓		✓	✓					■
CLBWORKS-2 Arrow Lakes Reservoir Revegetation Program Physical Works	✓	✓	✓	✓	✓								✓	✓	

Legend: ■ = Program to be undertaken/initiated in identified year
 ■ = Program planned if conditions allow
 ✓ = Program completed for the year
 ✓F = All field work for this project is complete. No further field work is planned.
 • = Partial implementation
 * Deviation from TOR schedule in 2012, replacement year was 2013.

4 Monitoring Programs and Physical Works Terms of Reference

The monitoring programs and physical works being implemented under the Kinbasket and Arrow Reservoir Revegetation Management Plan WUP are described in Terms of Reference (TOR). These TOR and the reports for work completed to date can be found here:

http://www.BC Hydroydro.com/about/sustainability/conservation/water_use_planning/southern_interior/columbia_river/kinbasket-revegetation.html

5 Status of Monitoring Programs

5.1 CLBMON-9 Kinbasket Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis

The objective of this program was to evaluate plant survival and monitor planting sites under various revegetation treatments in the Kinbasket Reservoir. This monitoring program was initiated in 2008 and was to be carried out every other year over ten years.

The monitoring program is complete; however, opportunistic monitoring of effects of wind and wave action on the debris mounds will be conducted if full pool

(754.4 m) is achieved on Kinbasket Reservoir. Results will be reviewed in the next Revegetation Technical Forum scheduled for late spring 2020.

A 10 year compendium report has been prepared and is under review.

5.2 CLBMON-10 Kinbasket Reservoir Inventory of Vegetation Resources

The primary objective of this study is to provide information on how vegetation communities at the landscape scale respond to long-term variation in water levels, and whether changes to the reservoir's operating regime may be required to maintain or enhance existing shoreline vegetation and associated ecosystems.

This monitoring program is complete. Results will be reviewed in the next Revegetation Technical Forum scheduled for late spring 2020.

5.3 CLBMON-11A Wildlife Effectiveness Monitoring of Revegetation in Kinbasket Reservoir

The principal objective of CLBMON-11A is to assess the effectiveness of revegetation efforts (conducted under CLBWORKS-1) at improving habitat for wildlife in the drawdown zone of Kinbasket Reservoir. This monitoring program was initiated in 2008 and will be carried out periodically over ten years.

The TOR was revised to reflect methods that are more suitable for the current scale of revegetation prescriptions in the Kinbasket and approved August 2017. Fieldwork for this study is now complete. Results will be reviewed in the next Revegetation Technical Forum scheduled for late spring 2020.

Attached is the report for Year 11 (2018 field season) dated November 22, 2019.

5.4 CLBMON-11B Wildlife Effectiveness Monitoring of Revegetation and Wildlife Physical Works in the Arrow Lakes Reservoir

The objective of CLBMON-11B is to assess the effectiveness of the revegetation efforts (conducted under CLBWORKS-2) at benefiting wildlife use of the drawdown zone of Arrow Lakes Reservoir. A second objective of this project is to assess the effectiveness of the wildlife physical works projects (conducted under CLBWORKS-30A and 30B) at improving conditions for nesting and migratory birds and wildlife in the drawdown zone of Arrow Lakes Reservoir.

This program was initiated in 2009 and is implemented as five components: 11B1, 11B2, 11B3, 11B4 and 11B5 (see details below). These components are separated below for readability in this Annual Report.

CLBMON-11B1 (Wildlife Effectiveness Monitoring and Enhancement Area Identification for the Lower and Mid-Arrow Lakes Reservoir)

The objective of this project component is to assess the effectiveness of the revegetation program in increasing wildlife utilization of the drawdown zone and to assess the effectiveness of wildlife physical works projects at improving conditions for nesting and migratory birds and wildlife in the drawdown zone of Arrow Lakes Reservoir. It was initiated in 2009 and under the revised TOR will continue until 2021.

Attached is the Year 9 (2018 field season) dated April 29, 2019. The 2019 field season report is in draft and will be submitted with the 2021 Annual Report.

CLBMON-11B2 (Arrow Lakes Reservoir: Revelstoke Reach Spring Songbird Effectiveness Monitoring)

The objective of this project component was to assess the effectiveness of physical works in Revelstoke Reach with respect to spring migrant songbirds over a nine-year period (2009-2017). Effects of the revegetation physical works on songbird abundance were limited by poor survival of planted stakes. In treatments with surviving stakes, however, young trees and shrubs have grown from these and it is expected that bird use will increase as these trees and shrubs mature.

The comprehensive report for CLBMON-39 (currently in draft stage) will include program results for the nine years of the CLBMON-11B2 monitoring program. This comprehensive report will be submitted in the June 2019 Annual Report for the Arrow Reservoir Operations Management Plan. The comprehensive report will conclude both CLBMON-39 (Neotropical Migrant Use of Arrow Lakes Reservoir in the fall migration season) and CLBMON-11B2.

CLBMON-11B3 (Revelstoke Reach Western Painted Turtle Monitoring Program)

The original objective of this project component was to evaluate the response of the Revelstoke Reach population of Western Painted Turtles to wildlife physical works; however, the wildlife physical works undertaken in CLBWORKS-30A were not implemented in locations that have significant Western Painted Turtle usage.

The Juvenile Western Painted Turtle monitoring and assessment was moved into CLBMON-37 Arrow Amphibians and Reptiles Life History in the fall of 2017 as the potential operational impacts are best addressed in that monitoring study.

A final trapping session was conducted in June 2018 in which transmitters on several more turtles that were tagged and tracked under CLBMON-11B3 were removed while turtles were on land to nest.

CLBMON-11B4 (Monitoring Wetland and Riparian Habitat in Revelstoke Reach in Response to Wildlife Physical Works)

The objective of this project component was to assess the effectiveness of the wildlife physical works program at improving wetland habitat conditions for nesting and migratory birds and other wildlife in the drawdown zone at Revelstoke Reach.

CLBMON-11B4 was initiated in 2010 and continued periodically until 2019.

The Year 5 (2016) report and the Year 6 (2018) report for CLBMON-11B4 are currently under review and will be submitted with the 2021 Annual Report.

CLBMON-11B5 (Effectiveness Monitoring of Wildlife Enhancement Structures in Arrow Lakes Reservoir)

The objective of this project is to assess the effectiveness of wildlife enhancement structures (e.g., bird nest boxes, bat roost structures) at enhancing wildlife habitat in the drawdown zone of Arrow Reservoir. Nest boxes were constructed under CLBWORKS-30A in Revelstoke Reach in 2013 and 2014. The remaining structures were constructed in 2018 and 2019. Additional roosting structures will be installed in 2020.

Monitoring for the bat structures will occur upon installation.

5.5 CLBMON-12 Arrow Lakes Reservoir Monitoring of Revegetation Efforts and Vegetation Composition Analysis

The objective of CLBMON-12 is to evaluate plant survival and monitor representative revegetation sites under the various revegetation treatments in the mid Columbia River and Arrow Lakes Reservoir. This study will also assess changes in existing vegetation communities at the site (local) level in response to the soft constraints operating regime of the Arrow Lakes Reservoir.

This monitoring program was initiated in 2008 and will be carried out every other year over ten years. The final year of implementation under the current approved TOR was 2017. Results will be reviewed in the next Revegetation Technical Forum scheduled for late spring 2020.

5.6 CLBMON-13 Inventory of Mosquito Populations in the Revelstoke Area

The objective of CLBMON-13 is to monitor the distribution and abundance of larval and adult mosquitoes in relation to physical environmental variables (elevation, temperature) and biotic variables (habitat) in the Revelstoke area.

This monitoring program was completed in 2009.

5.7 CLBMON-33 Arrow Lakes Reservoir Inventory of Vegetation Resources

The primary objective of CLBMON-33 is to monitor landscape level changes in the spatial extent, structure, and composition of vegetation communities within the 434-440 m ASL elevation band of the drawdown zone of the Arrow Lakes Reservoir.

This monitoring program was initiated in 2007 and was carried out periodically over ten years. Year 6 (2016) represents the final year of this monitoring program under the current approved TOR. Results will be reviewed in the next Revegetation Technical Forum scheduled for late spring 2020.

5.8 CLBMON-35 Arrow Lakes and Kinbasket Reservoirs Plant Response to Inundation

This study is a comprehensive statistical analysis of successes and failures of all treated sites within both Kinbasket and Arrow Lakes Reservoirs based on the data and results from each of CLBMON-9, CLBMON-10, CLBMON-12, CLBMON-33, CLBWORKS-1, and CLBWORKS-2.

The 2019 (Year 2) report is under review and will be submitted in the 2021 Annual Report.

5.9 CLBMON-57 Plant Communities

The objective of CLBMON-57 is to augment CLBMON-10 Kinbasket Reservoir Inventory of Vegetation Resources to quantify the landscape-level responses of existing riparian and wetland vegetation communities within the drawdown zone to the operating regime of the Kinbasket Reservoir and to identify any effects of Mica Generating Unit 5 on drawdown vegetation.

Attached is the Year 1 report (2018 field season) dated December 19, 2019.

6 Status of Physical Works

6.1 CLBWORKS-1 Kinbasket Reservoir Revegetation Program Physical Works

The objective of this project was to enhance suitable vegetation growth within the drawdown zone of Kinbasket Reservoir to benefit fish, wildlife, aesthetics, dust control and recreation. During the Revegetation Technical Review in December 2014, the technical committee concluded that woody debris accumulation in Kinbasket Reservoir is a major limiting factor in revegetation success. The outcome of the review was to pilot an approach to revegetation using existing woody debris and soil to create mounds for vegetation colonization.

For the fourth year in a row, due to lower than expected reservoir elevations between November 2018 and October 2019, we were unable to assess the effects of reservoir inundation (>753.5 m ASL) on the integrity of the mounds. If the reservoir levels reach this level in 2020, we will assess the effect of reservoir operations on the physical works and consider future work if warranted.

6.2 CLBWORKS-2 Arrow Lakes Reservoir Revegetation Program Physical Works

The objective of this project was to enhance suitable vegetation growth within the drawdown zone of the mid-Columbia River and Arrow Lakes Reservoir to benefit fish, wildlife, aesthetics, dust control and recreation.

These physical works were initiated in 2007 and planting was carried out over the first five years of the WUP. The remaining work pertains to revegetation associated with the implementation of the Wildlife Physical Works in the Lower Arrow Reservoir – Burton Wetland (CLBWORKS-30B). Implementation of Phase 1 of the construction of the Burton Wetland was initiated in 2019 and Phase 2 will be completed in 2020.

7 Monitoring Programs and Physical Works Costs

The following table summarizes the Kinbasket and Arrow Reservoir Revegetation Management Plan WUP monitoring programs and physical works costs approved by the Comptroller and the Actual Costs to January 31, 2020.

Table 7-1: Kinbasket and Arrow Reservoir Revegetation Management Plan WUP Monitoring Programs and Physical Works Costs

Monitoring Programs	Costs approved by CWR	Life to Date Actuals (LTD)	Estimated to Complete (Forecast)	Total Forecast (LTD and Forecast)	Variance Total to Approved	Explanation	Corrective Action
CLB MP2 Kin & Arrow Reveg Annual Report	\$18,280	\$10,591	\$1,102	\$11,693	\$6,587		
C02M09A KIN: Revegetation	\$946,942	\$808,874	\$126,683	\$935,557	\$11,385	Project complete - some opportunistic monitoring will be completed depending on reservoir levels	
C02M09A KIN: Revegetation - OR DM	\$105,958	\$90,434	\$17,745	\$108,179	(\$2,221)		
C02M09A KIN: Revegetation - OR Imp	\$840,984	\$718,441	\$108,938	\$827,379	\$13,605		
C02M10A KIN: Inv of Veg	\$1,320,912	\$1,297,478	\$11,304	\$1,308,782	\$12,130	Project complete	
C02M10A KIN: Inv of Veg - OR DM	\$97,315	\$86,362	\$11,304	\$97,666	(\$351)		
C02M10A KIN: Inv of Veg - OR Imp	\$1,223,597	\$1,211,115	\$0	\$1,211,115	\$12,482		
C02M11A KIN: Wild Eff	\$1,902,956	\$1,849,256	\$19,274	\$1,868,530	\$34,426	Project complete	
C02M11A KIN: Wild Eff - OR DM	\$124,636	\$114,961	\$4,274	\$119,235	\$5,401		
C02M11A KIN: Wild Eff - OR Imp	\$1,778,320	\$1,734,295	\$15,000	\$1,749,295	\$29,025		
C02M11B ARROW: Reveg & Wild	\$4,718,041	\$3,631,553	\$767,156	\$4,398,709	\$319,332	Efficiencies found during project implementation	
C02M11B ARROW: Reveg & Wild - OR DM	\$281,674	\$294,840	\$93,013	\$387,853	(\$106,179)		
C02M11B ARROW: Reveg & Wild - OR Imp	\$4,436,367	\$3,336,713	\$674,143	\$4,010,856	\$425,511		
C02M12A Arr Rev&Comp - ONR	\$83,718	\$76,268	\$6,000	\$82,268	\$1,450	Project complete	
C02M12A Arr Rev&Comp - ONR Imp	\$83,718	\$76,268	\$6,000	\$82,268	\$1,450		
C02M12A Arr Rev&Comp - OR	\$678,922	\$659,471	\$17,000	\$676,471	\$2,451		
C02M12A Arr Rev&Comp - OR DM	\$99,441	\$92,420	\$2,500	\$94,920	\$4,521		
C02M12A Arr Rev&Comp - OR Imp	\$579,481	\$567,051	\$14,500	\$581,551	(\$2,070)		
C02M13A MID COL Mosquito Pop	\$111,650	\$88,463	\$1,606	\$90,069	\$21,581	Project complete	
C02M13A MID COL Mosquito Pop - OR DM	\$26,962	\$27,190	\$1,606	\$28,796	(\$1,834)		
C02M13A MID COL Mosquito Pop - OR Imp	\$84,688	\$61,273	\$0	\$61,273	\$23,415		
C02M33A ARROW: Veg Inventory - ONR	\$41,154	\$39,218	\$1,900	\$41,118	\$36		
C02M33A ARROW: Veg Inventory - ONR Imp	\$41,154	\$39,218	\$1,900	\$41,118	\$36		
C02M33A ARROW: Veg Inventory - OR	\$1,437,358	\$1,416,883	\$19,000	\$1,435,883	\$1,475		
C02M33A ARROW: Veg Inventory - OR DM	\$89,191	\$101,785	\$8,000	\$109,785	(\$20,594)		
C02M33A ARROW: Veg Inventory - OR Imp	\$1,348,167	\$1,315,098	\$11,000	\$1,326,098	\$22,069		
C02M35A ARROW: Plant Respons	\$297,322	\$217,544	\$35,762	\$253,306	\$44,016		
C02M35A ARROW: Plant Respons - OR DM	\$73,186	\$65,223	\$14,118	\$79,341	(\$6,155)		
C02M35A ARROW: Plant Respons - OR Imp	\$224,136	\$152,321	\$21,644	\$173,965	\$50,171		
C02M57A ARROW Plant Com	\$248,992	\$223,509	\$10,861	\$234,370	\$14,622		
C02M57A ARROW Plant Com - ONR DM	\$24,675	\$15,009	\$6,711	\$21,720	\$2,955		
C02M57A ARROW Plant Com - ONR Imp	\$224,317	\$208,501	\$4,150	\$212,651	\$11,666		
C02W01A KIN Reveg 1800 1500	\$2,668,277	\$1,971,982	\$481,814	\$2,453,796	\$214,481	Implementation dependent on reservoir elevation	
C02W01A KIN Reveg 1800 1500 - OR DM	\$198,883	\$186,423	\$31,814	\$218,237	(\$19,354)		
C02W01A KIN Reveg 1800 1500 - OR Imp	\$2,469,394	\$1,785,559	\$450,000	\$2,235,559	\$233,835		
C02W02A MCR & ARR Reveg P1	\$142,450	\$137,092	\$0	\$137,092	\$5,358	Project complete	
C02W02A MCR & ARR Reveg P1 - OR DM	\$37,732	\$35,692	\$0	\$35,692	\$2,040		
C02W02A MCR & ARR Reveg P1 - OR Imp	\$104,718	\$101,400	\$0	\$101,400	\$3,318		
C02W02B MCR & ARR Reveg P2 - OR	\$1,636,415	\$1,636,415	\$0	\$1,636,415	\$0	Project complete	
C02W02B MCR & ARR Reveg P2 - OR DM	\$46,846	\$40,955	\$0	\$40,955	\$5,891		
C02W02B MCR & ARR Reveg P2 - OR Imp	\$1,589,569	\$1,595,460	\$0	\$1,595,460	(\$5,891)		
C02W02C MCR & ARR Reveg P3	\$440,867	\$388,666	\$0	\$388,666	\$52,201	Project complete	
C02W02C MCR & ARR Reveg P3 - OR DM	\$19,078	\$21,224	\$0	\$21,224	(\$2,146)		
C02W02C MCR & ARR Reveg P3 - OR Imp	\$421,789	\$367,442	\$0	\$367,442	\$54,347		
C02W02D MCR & ARR Reveg P4	\$133,058	\$42,728	\$39,006	\$81,734	\$51,324		
C02W02D MCR & ARR Reveg P4 - OR DM	\$13,186	\$7,737	\$2,764	\$10,501	\$2,685		
C02W02D MCR & ARR Reveg P4 - OR Imp	\$119,872	\$34,991	\$36,242	\$71,233	\$48,639		

OR - Ordered Remissible
ONR - Ordered Non-Remissible

* Red values in parentheses denote overage.