



**TECHNICAL ADVISORY COMMITTEE TO THE MSRC  
THURSDAY, JANUARY 11, 2018 MEETING MINUTES  
21865 Copley Drive, Diamond Bar, CA 91765 - Room CC8**

**MSRC-TAC MEMBERS PRESENT:**

MSRC-TAC Chair Gretchen Hardison, City of Los Angeles  
Nicholas Nairn-Birch, California Air Resources Board  
John Kato, Air Pollution Expert  
Jamie Lai, Cities of Orange County  
Steven Lee, Los Angeles County Metropolitan Transportation Authority  
Anthony (AJ) Marquez, Orange County Board of Supervisors  
Lorelle Moe-Luna, Riverside County Transportation Commission  
Sean O'Connor, Cities of San Bernardino County  
Eddie Washington, Los Angeles County Board of Supervisors  
Vicki White, South Coast Air Quality Management District  
Bill Habibe, Orange County Transportation Authority

**OTHERS PRESENT:**

Lauren Dunlap, CARB  
Harvey Eder, Public Solar Power Coalition (PSPC)

**SCAQMD STAFF & CONTRACTORS**

Leah Alfaro, Contracts Assistant  
Ray Gorski, MSRC Technical Advisor-Contractor  
John Kampa, Financial Analyst  
Megan Lorenz, Principal Deputy District Counsel  
Matt MacKenzie, Contracts Assistant  
Fred Minassian, Asst. DEO/Science and Technology Advancement  
Cynthia Ravenstein, MSRC Contracts Administrator  
Paul Wright, Information Technology Specialist II

**CALL TO ORDER**

- Call to Order  
MSRC-TAC Chair Gretchen Hardison called the meeting to order at 1:32 p.m.

**STATUS REPORT**

- Clean Transportation Policy Update –

The Clean Transportation Policy Update provides information on key legislative and regulatory initiatives of potential interest to the MSRC. The report can be viewed at [www.cleantransportationfunding.org](http://www.cleantransportationfunding.org).

**CONSENT CALENDAR (Items 1 through 4)**

**Receive and Approve**

**Agenda Item #1 – Minutes for the November 2, 2017 MSRC-TAC Meetings**

The Minutes for the November 2, 2017 MSRC-TAC Meeting were not yet not available.

**Agenda Item #2 – Summary of Final Reports by MSRC Contractors**

Two final reports were submitted for MSRC-TAC review and approval during January:

- SCRRRA (Metrolink), MS16100 (\$80,455 – Provide Metrolink Service to the Auto Club Speedway
- Transit Systems Unlimited, Inc., MS16088 (\$17,000 – Expansion of Existing CNG Station)

ON MOTION BY MSRC-TAC MEMBER A.J. MARQUEZ AND SECONDED BY MSRC-TAC MEMBER SEAN O’CONNOR, UNDER APPROVAL OF CONSENT CALENDAR ITEMS 1-4, THE MSRC-TAC UNANIMOUSLY VOTED TO RECEIVE AND APPROVE THE FINAL REPORT SUMMARIES LISTED ABOVE.

ACTION: The final report summaries will be included on the MSRC's next agenda for final action.

**Information Only – Receive and File**

**Agenda Item #3 – MSRC Contracts Administrator’s Report**

The Contracts Administrator’s Report for October 26, 2017 through January 3, 2018 was included in the agenda package.

ON MOTION BY MSRC-TAC MEMBER A.J. MARQUEZ AND SECONDED BY MSRC-TAC MEMBER SEAN O'CONNOR, UNDER APPROVAL OF CONSENT CALENDAR ITEMS 1-4, THE MSRC-TAC UNANIMOUSLY VOTED TO RECEIVE AND FILE THE CONTRACTS ADMINISTRATOR'S REPORT FOR OCTOBER 26, 2017 THROUGH JANUARY 3, 2018.

ACTION: The Contracts Administrator's Report will be included on the MSRC's next agenda for final action.

**Agenda Item #4 – Financial Report on AB 2766 Discretionary Fund**

The Financial report on the AB 2766 Discretionary Fund for December 2017.

ON MOTION BY MSRC-TAC MEMBER A.J. MARQUEZ AND SECONDED BY MSRC-TAC MEMBER SEAN O'CONNOR, UNDER APPROVAL OF CONSENT CALENDAR ITEMS 1-4, THE MSRC-TAC UNANIMOUSLY VOTED TO RECEIVE AND FILE THE FINANCIAL REPORT FOR THE MONTH OF DECEMBER 2017.

ACTION: No further action is required.

**ACTION CALENDAR (Items 5 through 13)**

**Agenda Item #5 – Consider Modification of 2018 MSRC-TAC Meeting Schedule**

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. In November 2017, the MSRC approved 2018 meeting schedules for the MSRC-TAC and MSRC. The MSRC-TAC schedule showed an incorrect date for the March meeting. Staff recommends that the March 8 MSRC-TAC meeting be moved to March 1.

ON MOTION BY MSRC-TAC ALTERNATE BILL HABIBE AND SECONDED BY MSRC-TAC MEMBER STEVEN LEE, THE MSRC-TAC UNANIMOUSLY VOTED TO APPROVE THE MODIFIED 2018 MSRC-TAC MEETING SCHEDULE.

ACTION: MSRC staff will place the modified schedule on the MSRC's website.

**Agenda Item #6 – Consider Eight-Month Term Extension by City of Beverly Hills, Contract #ML09033 (\$550,000 – Purchase 10 Heavy-Duty CNG Vehicles and Install CNG Station)**

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. This is a request from the City of Beverly Hills. Under the FY 2008-09 Local Government Match Program, the City was awarded funding to purchase 10 heavy-duty CNG vehicles and install a CNG station. The contract had previously been modified to make some vehicle substitutions and to extend the

contract term by one-year. The City has placed all of the vehicles into service but the last vehicles were not placed into service until December 2013. They took longer than anticipated based on their standard practice for vehicles in the same classification not to all be purchased at the same time, because they don't want to have a warranty issue or maintenance to take too much of the fleet out at one time. The MSRC contract requires five-year operational period. The City is requesting an eight-month term extension to allow them to fulfill the five-year operational period for all of the vehicles. This will be the last extension that they will need.

ON MOTION BY MSRC-TAC MEMBER STEVEN LEE, AND SECONDED BY MSRC-TAC ALTERNATE BILL HABIBE, THE MSRC-TAC UNANIMOUSLY VOTED TO RECOMMEND TO APPROVE FOR THE CITY OF BEVERLY HILLS, CONTRACT #ML09033, AN EIGHT-MONTH TERM EXTENSION

**ACTION:** MSRC staff will include this contract term extension on the next MSRC agenda for approval.

**Agenda Item #7 – Consider Approximately Four-Month Term Extension by City of Corona, Contract #ML14019 (\$178,263 – Install EV Charging, Bicycle Racks, and Bicycle Lockers)**

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. This request comes from the City of Corona. The City was awarded funding to install EV charging stations and bicycle infrastructure. With respect to the charging stations, they had previously requested an extension, due to unexpected delays in Southern California Edison meter installation at two of the EV charging station locations. They still were not operational at the time that they submitted the request in November. The City requested an additional four-month extension to allow them to be able to fulfill operational requirements.

ON MOTION BY MSRC-TAC MEMBER SEAN O'CONNOR, AND SECONDED BY MSRC-TAC MEMBER A.J. MARQUEZ, THE MSRC-TAC UNANIMOUSLY VOTED TO RECOMMEND TO APPROVE FOR THE CITY OF CORONA, CONTRACT #ML14019, A FOUR-MONTH TERM EXTENSION

**ACTION:** MSRC staff will include this contract term extension on the next MSRC agenda for approval.

**Agenda Item #8 – Consider Modified Statement of Work for City of Long Beach, Contract #ML16017 (\$1,445,400 – Purchase 48 Medium-Duty and up to 16 Heavy-Duty Natural Gas Vehicles and Install CNG Station)**

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. This request comes from the City of Long Beach. Under the FYs 2014-16 Local Government Match Program, the City was awarded funding to purchase 48 medium-duty and 16 heavy-duty natural gas vehicles and install a CNG station. The City indicates that due to changes in their vehicle replacement

schedule, in addition to manufacturer production changes, they want to make several changes to the list of vehicles to be purchased. The City proposed to purchase 50 medium-duty and 19 heavy-duty vehicles, with no change in the overall funding amount. The City understands that for some vehicles they would receive lower per vehicle incentives. All proposed vehicles meet the 2014-16 Local Government Match Program requirements.

MSRC Alternate Bill Habibe commented we are going to generate a lot with the revenue we get from emission reductions, is it the same amount we will be funding. Ms. Ravenstein replied we are going to get more vehicles for the same amount of money.

ON MOTION BY MSRC-TAC ALTERNATE BILL HABIBE, AND  
SECONDED BY MSRC-TAC MEMBER JAMIE LAI, THE MSRC-TAC  
UNANIMOUSLY VOTED TO RECOMMEND TO APPROVE FOR THE CITY  
OF BEVELRY HILLS, CONTRACT #ML09033, AN EIGHT-MONTH TERM  
EXTENSION

**ACTION:** MSRC staff will include this contract modification on the next MSRC agenda for approval.

**Agenda Item #9 – Consider Two-Year Term Extension by San Bernardino County Transportation Authority (SBCTA), Contract #MS14072 (Implement Various Signal Synchronization Projects)**

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. This request comes from the San Bernardino County Transportation Authority (SBCTA). Under the FYs 2012-14 Signal Synchronization Partnership Program, each of the County Transportation Commissions had proposed a slate of different signal signalization projects. SBCTA had partnership with various cities and Caltrans. Nothing has been paid to date. Work on the various project elements is in various stages of completion, with some nearly operational, but nothing has been fully completed to date. The Mt. Vernon Avenue/Washington Street project, in partnership with the City of Colton, will install new communications equipment allowing 14 signals to communicate with the City’s central traffic management center. SBCTA indicates that the signals at three of the affected intersections first need to be modified, as part of a separate project not funded by the MSRC, before the new equipment can be installed. The signal modification project has encountered funding issues. Therefore, SBCTA requests a two-year contract term extension while they work with Caltrans. If the MSRC approves the modification, MSRC staff recommends that the contract be modified to reflect the change from San Bernardino Associated Governments to SBCTA.

MSRC-TAC Chair Gretchen Hardison questioned can the balance of the projects move forward. Ms. Ravenstein replied yes and they can get reimbursed for the other project elements with other cities when those projects are complete, even though this is being held up.

MSRC-TAC Alternate Bill Habibe questioned is this in conflict with any of the contract terms in regards to changing the names of the entities if they are going to be a recipient to the funds. Principal Deputy District Counsel Megan Lorenz replied it would just reflect their current name. We would want to do a modification to update their current name.

ON MOTION BY MSRC-TAC MEMBER STEVEN LEE, AND SECONDED BY MSRC-TAC ALTERNATE BILL HABIBE, THE MSRC-TAC UNANIMOUSLY VOTED TO RECOMMEND TO APPROVE FOR SAN BERNARDINO COUNTY TRANSPORTATION AUTHORITY, CONTRACT #MS14072, A TWO-YEAR TERM EXTENSION AND NAME CHANGE.

**ACTION:** MSRC staff will include this contract term extension on the next MSRC agenda for approval.

### **2016-18 WORK PROGRAM**

#### **Agenda Item #10 – Consider Funding for Applications Received under the Natural Gas Infrastructure Program**

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. The MSRC released A Program Announcement for the natural gas infrastructure program on June 2, 2017. It does not close until June 29, 2018. Previously there have been two awards. Two additional applications have come in; there is also another one about which we are seeking clarifications. The application from the City of Banning for \$225,000 is for the expansion of their existing public access CNG station; and for the application from the City of Norwalk for \$75,000, they would like to modify their maintenance vehicle facility to accommodate the maintenance of gaseous-fueled vehicles. The Infrastructure Subcommittee reviewed the proposals and they recommend approval of both of awards.

ON MOTION BY MSRC-TAC MEMBER LORELLE MOE-LUNA, AND SECONDED BY MSRC-TAC MEMBER JOHN KATO, THE MSRC-TAC UNANIMOUSLY VOTED TO RECOMMEND APPROVAL OF AWARDS TO THE CITY OF BANNING FOR \$225,000 AND THE CITY OF NORWALK FOR \$75,000.

**ACTION:** These awards will be included on the next MSRC agenda for approval.

#### **Agenda Item #11 – Consider Funding for Application Received under the Major Event Center Transportation Program**

Ray Gorski, MSRC Technical Advisor, reported on this item. This is an application that has been received under the MSRC's Major Event Center Transportation Program solicitation. This is to implement special train service using Metrolink to the Auto Club Speedway NASCAR race which is going to be held on March 18, 2018. The requested funding amount is \$87,764. For the past few years the MSRC has partnered with both Metrolink and the Auto Club Speedway to implement a special train service. The characteristics of this program have not changed in the last few years. They are still utilizing three special trains which will depart from three locations: Oxnard, Oceanside, and Lancaster, with a final stop at the Auto Club Speedway in Fontana. Tier 4 locomotives will be used exclusively this year. Metrolink has confirmed that those locomotives

will be made available. That will help from an air quality improvement prospective. There has been a small decline in ridership over the past 2 years but it is really difficult to put your finger on any one reason; it is less than 10% overall. In addition to having this application, there was also a final report that documented the results of last year's Auto Club Speedway Special Train Program. They typically have greater than 2,000 individuals that utilize this service to access the Auto Club Speedway.

MSRC-TAC Alternate Bill Habibe questioned is there any indication of why the decrease in volume of passengers based on past history; is there any past data. Mr. Gorski replied we are expecting to have an excess of 2,000 passengers with these locomotives for this one event. It's been relatively consistent over the past several years. I have data going back to the 2014 timeframe, it was going up and then they had a small decline for the past two years on the order of 4% to 5% each year. It can't be contributed to any one factor; it's really difficult to say. They are aware of that and have provided assurances that they will increase their marketing and outreach.

Mr. Habibe questioned is the required funding in sync and in compliance with all their previous requirements in regards to emission reductions based on the formula. Mr. Gorski replied this went through the evaluation criteria which was part of the solicitation document for this year, which has its first scoring criteria the quantifiable air quality benefits. The members of the Subcommittee which participated in the review of the event center projects reviewed it and based upon discussions, it was determined that this project should achieve air quality benefits which are in keeping with expectations of the MSRC and also in keeping with the benefits which are achieved through other event center programs.

ON MOTION BY MSRC-TAC ALTERNATE BILL HABIBE, AND  
SECONDED BY MSRC-TAC MEMBER SEAN O'CONNOR, THE MSRC-  
TAC UNANIMOUSLY VOTED TO RECOMMEND APPROVAL OF AN  
AWARD TO SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY  
FOR \$87,764.

**ACTION:** This award will be included on the next MSRC agenda for approval.

**Agenda Item #12 – Consider Funding for Applications Received under the Local Government Partnership Program**

Cynthia Ravenstein, MSRC Contracts Administrator, reported on this item. The MSRC in this Work Program changed things up a little bit from the previous Local Government Match Program. The Local Government Partnership Program allocated a total of \$22 million for each eligible city and county that participates in the AB 2766 Subvention Fund Program, in light of the efforts to support SCAQMD's 2016 AQMP and focusing MSRC investments on AQMP measures and educating local governments on the region's air quality challenges. The emphasis is on zero-emission vehicles, near-zero-emissions heavy-duty vehicles, alternative fuel infrastructure projects and electric vehicle charging infrastructure. The solicitation was released on September 1, 2017. There have been a variety of efforts to publicize it. We sent emails to at least two people in every eligible jurisdiction, and there has been some follow up on that. So far we have received four applications. That being said, I have been answering questions from a

much larger number of jurisdictions. We will be working with the Better World Group and SCAQMD staff on figuring out a last outreach push just to make sure that every eligible participant is aware of the program. Of the four applications received, one is from an entity that the MSRC has never partnered with before, the City of Hidden Hills. All of the applications have met the program requirements, from light-duty zero-emission vehicles and infrastructure to traffic signal synchronization. The recommendation coming from the Local Government Match Subcommittee is to award funding to four entities totaling \$217,541.

MSRC-TAC Member Nicholas Nairn-Birch questioned when will the solicitation close? Ms. Ravenstein replied March 2<sup>nd</sup>, but they do have to go to their City Council or Board of Supervisors to make a presentation. That requires a little more lead time than just putting together an application. Ray Gorski, Technical Advisor, added the application is one page and there are 7 slides including the cover sheet in the presentation.

MSRC-TAC Member Lorelle Moe-Luna questioned if you know the number of entities that may not apply for funding and if there is unused funds, what will happen to the funds. Ms. Ravenstein replied I have not heard from anyone indicating that they are definitely not going to apply. It is hard to say at this point. There is no specific process set for what would happen if there are funds remaining. Mr. Gorski added the remaining funds revert to the MSRC's Discretionary Fund by policy.

MSRC-TAC Member Jaime Lai asked does the funding allow entities to lease vehicles. Mr. Gorski replied yes.

MSRC-TAC Member Vicki White questioned are these going to be city owned electric vehicles. Who's going to take ownership of these vehicles? What does the city plan to do with these vehicles? Ms. Ravenstein replied these particular ones are, however we have heard from some entities, the City of Anaheim is one, who want to explore actually providing an incentive to residents. We think that could be another thing that could be done although that would take some looking at. Ms. White questioned the four proposals here, how do they plan to use the vehicles. Ms. Ravenstein replied I don't know off the top of my head. For the City of Hidden Hills, one of them is an off-road electric vehicle that they will be patrolling some trails with. Ms. White commented that it might help with broader marketing to other cities and outreach. When you have some good examples, and there is a demand for the money, you can also relay that to the other cities to access these funds. Ms. Ravenstein replied I can look at that and send out to the TAC members a little bit more detail about what folks are proposing to do.

ON MOTION BY MSRC-TAC ALTERNATE BILL HABIBE, AND  
SECONDED BY MSRC-TAC MEMBER SEAN O'CONNOR, THE MSRC-  
TAC UNANIMOUSLY VOTED TO RECOMMEND APPROVAL OF  
AWARDS TO THE CITY OF HIDDEN HILLS, CITY OF COLTON, CITY OF  
SIGNAL HILL AND CITY OF DESERT HOT SPRINGS FOR A TOTAL OF  
\$217,541.

**ACTION:** These awards will be included on the next MSRC agenda for approval.



**Agenda Item #13 – Consider Work Plans Received under the CTC Partnership Program**

Ray Gorski, MSRC Technical Advisor, reported on this item. The MSRC set aside \$8,000,000 in \$2,000,000 increments for each of the County Transportation Commissions to implement innovative transportation mobility programs which will achieve substantial air pollution reductions. Our first application has been received from the Riverside County Transportation Commission (RCTC). Included in your package is a report which details two elements of their proposed use of the \$2M: (1) A \$1.5M program to implement a new Vanpool Subsidy Program; and (2) A \$500,000 program to implement weekend Freeway Service Patrol (FSP) within Riverside County.

For the Vanpool Subsidy Program, RCTC is proposing to utilize \$1.5M to implement approximately 224 more vanpools using a recognized vanpool provider. This is a new vanpool program which will provide long distance service to employees to access their destinations. The vanpools are going to be broken down to 60 CalVans, a JPA for which RCTC is a member, and 164 traditional employer vanpools. This would provide a subsidy of approximately 50% of the monthly vanpool lease cost, not to exceed \$400 per month per vanpool. The work plan has been provided by RCTC as well as the implementation schedule, those are shown on pages 3 and 4 of the staff report. It is in keeping with the intent of the MSRC's CTC Program; vanpools are specifically identified as an eligible category.

MSRC Member John Kato questioned is vanpool considered under a more updated label of e-mobility? Mr. Gorski replied are you suggesting that they use electric vans? Mr. Kato replied yes, that's the common term. Mr. Gorski replied there has been some discussion from members of the MSRC-TAC relative to their hope that they are able to deploy vans which are either zero or near zero-emission. There is a new hybrid vehicle that has been made available from one of the original equipment manufacturers. That's not a requirement in the CTC Partnership program and it might induce a component that might upset the vanpool program as currently structured by RCTC. The air quality benefits result from the removal of automobile trips, looking at the number of passengers, from a minimum of 7 up to 15 passengers. You're going to have a reasonable reduction, even if these are gasoline fueled. Having looked at the new executive orders from the Air Resources Board, even if these are gasoline vehicles, for criteria pollutants, specifically ozone precursors and particulate matter, these are going to extremely low emitting vehicles, especially if they are certified to the LEV 3 standard levels by the Air Resources Board. It would be great to proliferate electric vehicles and wave the e-mobility flag, it would be a bonus but from a pure air quality perspective and cost-effective air quality benefits, this will still have a positive air quality benefit.

The second component is for implementation of weekend freeway service patrol along two beats of Riverside County. An expansion of FSP including construction related and weekend, was identified in the solicitation as being eligible under the CTC Partnership program. RCTC is requesting to utilize \$500,000 to implement weekend freeway service patrol on two very congested beats within Riverside County. These are identified on page 4 of the staff report, the Magnolia Avenue interchange at the 60/91/215 interchange and Central Avenue to I-215 FWY at Alessandro Blvd to SR-60 at Theodore Street. The length of the beats are 11 and 12 miles. What got the attention of the Subcommittee which did the evaluation on this project, was the benefit-cost ratios which have been predicted for these beats, they are very high at to 7:1,

which in FSP terminology is a very effective program. FSP is designed to reduce nonrecurring congestion that results from having a motorist's breakdown and causing congestion which normally lasts a lot longer than actually servicing the disabled vehicle. The MSRC has previously recognized the value of FSP as an emission reduction strategy and has included it as an eligible element.

ON MOTION BY MSRC-TAC MEMBER A.J. MARQUEZ, AND SECONDED BY MSRC-TAC MEMBER LORELLE MOE-LUNA, THE MSRC-TAC UNANIMOUSLY VOTED TO RECOMMEND APPROVAL OF AN AWARD TO RIVERSIDE COUNTY TRANSPORTATION COMMISSION FOR \$2 MILLION.

**ACTION:** This award will be included on the next MSRC agenda for approval.

## **OTHER BUSINESS**

### **Agenda Item #14 – Other Business**

Ray Gorski, MSRC Technical Advisor, commented the 2016-2018 Work Program is fully accounted for at this point. We will be rapidly approaching the end of this two-year cycle and will need to begin the process for the determining the MSRC's investment for the next program, whether it be one or two years. It might be a little bit premature, I know Cynthia and her staff have a lot on their plate right now to finish up this one but at some point in the not too distant future, we're going to be beginning the process of looking at what the MSRC can potentially do for the next one or two years. We always rely extremely heavily on the TAC for recommendations as to what projects should be pursued in light of the current environment. We will want to begin in the March timeframe, in past years we typically tried to have the MSRC Work Program development process start in the spring time frame. The last couple of years we were a little bit late and were pushed as far back as September. Which is not bad, it's just that we start July 1<sup>st</sup>, technically we were a few months following our fiscal year cycle. If you would like to have the staff be more proactive this year and start prior to or coincident with the fiscal year, we are more than happy to do so. We will look to the committee's direction for when you think it is appropriate to begin that cycle. MSRC-TAC Chair Gretchen Hardison added thank you for putting it on our radar screen. We will take that under advisement and discuss that sooner rather than later.

## **PUBLIC COMMENTS:**

Harvey Eder, Director of Public Solar Power Coalition, commented we have been involved for 30 years at the air district and going up to CARB up north, trying to get the district to use solar energy renewables to eliminate emissions. We are litigating and have done this in the past. We're going to different meetings trying to find out exactly what's going on. We have gone to the board meetings, Administrative Committee, Technology Committee and Stationary Source Committee. I would like to work with you folks. We

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are very interested in electric vehicles especially electric trucks with the port and also buses for cities. I have been active in working for Community Choice for LA County, which now has 24 cities; Ventura County is also getting involved. Gretchen Hardison responded thank you for taking the time to join us today.

### **ADJOURNMENT**

THERE BEING NO FURTHER BUSINESS, THE MSRC-TAC MEETING  
ADJOURNED AT 2:11 P.M.

**NEXT MEETING:** Next meeting: Thursday, February 1, 2018, 1:30 p.m., at the South Coast Air Quality Management District.

(Minutes prepared by Penny Shaw Cedillo)