



Montara Water and Sanitary District

Serving the Community of Montara and Moss Beach

P.O. Box 370131
8888 Cabrillo Hwy
Montara, CA 94037-0131
t: 650.728.3545 • f: 650.728.8556

To sensitively manage the natural resources entrusted to our care, to provide the people of Montara - Moss Beach with reliable, high – quality water, wastewater, and trash disposal at an equitable price, and to ensure the fiscal and environmental vitality of the district for future generations. Be open to providing other services desired by our community.

AGENDA

District Board of Directors

8888 Cabrillo Highway
Montara, California 94037

February 2, 2017 at 7:30 p.m.

CALL TO ORDER

ROLL CALL

PRESIDENT'S STATEMENT

ORAL COMMENTS (Items other than those on the agenda)

PUBLIC HEARING

CONVENE IN CLOSED SESSION

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION

(Government Code §54956.9(d))

Name of case: Claim of J. Cockrell

PUBLIC EMPLOYEE PERFORMANCE EVALUATION/APPOINTMENT (Gov. C. §54957)

Title: General Manager

REPORT of action taken in Closed Session, if any.

CONSENT AGENDA

1. [Approve Minutes for Meeting on December 1, 2016.](#)
2. [Approve Financial Statements for December 2016.](#)
3. Approve Warrants for February 1, 2017.
4. [SAM Flow Report for December 2016.](#)
5. [Monthly Review of Current Investment Portfolio.](#)
6. [Connection Permit Applications Received.](#)
7. [Monthly Water Production Report for December 2016.](#)
8. [Rain Report.](#)
9. [Solar Energy Report.](#)
10. [Monthly Public Agency Retirement Service Report for November 2016](#)

OLD BUSINESS

NEW BUSINESS

1. [Review and Possible Action Concerning Scheduling MWSD Finance and Water Connection Work Study for March 16.](#)
2. [Review and Possible Action Concerning Declaration of Harte Street Generator as Surplus Property and Authorize Disposal.](#)
3. [Review of MWSD's Receipt of Association of California Water Agencies Joint Powers Authority President's Special Recognition Award.](#)
4. [Review and Possible Action Concerning Report and Recommendation of Personnel Committee – General Manager's Contract.](#)
5. [Review and Possible Action Concerning Cancellation of Next Regular Scheduled Meetings February 16 and March 2, 2017.](#)

REPORTS

1. Sewer Authority Mid-Coastside Meetings (Boyd)
2. MidCoast Community Council Meeting (Slater-Carter)
3. CSDA Report (Slater-Carter)
4. CCWD, NCCWD Committee Report (Harvey, Huber)
5. Attorney's Report (Schricker)
6. Directors' Reports
7. General Manager's Report (Heldmaier)

FUTURE AGENDAS

ADJOURNMENT

The District has a curfew of 11:00 p.m. for all meetings. The meeting may be extended for one hour by vote of the Board.

NOTE: In accordance with the Government Code, members of the public may address the Board on specific agenda items when that matter is discussed by the Board. Any other items of interest that is within the subject matter jurisdiction of the District may be addressed during the Oral Comments portion of the meeting. Upon request, this agenda will be made available in appropriate alternative formats to persons with a disability. Request for a disability-related modification or an accommodation in order to participate in the public meeting should be made at (650) 728-3545. Materials related to an item on this Agenda submitted to the Board after distribution of the agenda packet are available in the District Clerk's office during normal business hours. Such documents may also be available on the District's web site (www.mwsd.montara.org) subject to staff's ability to post the documents before the meeting.



**MONTARA WATER & SANITARY
DISTRICT**

BOARD OF DIRECTORS MEETING

December 1, 2016

MINUTES

REGULAR SESSION BEGAN AT 7:36 p.m.

CALL TO ORDER

ROLL CALL

Directors Present: Slater-Carter, Boyd, Harvey, Wilson and Huber

Directors Absent: None

Staff Present: General Manager, Clemens Heldmaier,
District Clerk, Judy Gromm

Others Present: District Counsel, Dave Schricker

PRESIDENT'S STATEMENT – None

ORAL COMMENTS - None

PUBLIC HEARING - None

CONSENT AGENDA

1. Approve Minutes for September 29, 2016.
2. Approve Financial Statements for October 2016.
3. Approve Warrants for December 1, 2016.
4. SAM flow Report for October 2016.
5. Monthly Review of Current Investment Portfolio.
6. Connection Permit Applications Received.
7. Monthly Water Production Report for October 2016.
8. Rain Report.
9. Solar Energy Report.
10. Monthly Public Agency Retirement Service Report for September 2016.

Director Wilson moved to approve the Consent Agenda. Director Boyd seconded the motion.

All Directors were in favor and the motion passed 5 – 0.

OLD BUSINESS - None

NEW BUSINESS

1. Review and Possible Action Concerning Receipt of Audit for Fiscal Year 2015-16.

General Manager Heldmaier reported Vavrinek, Trine, Day & Co (VTD) completed the audit for the Fiscal Year ending on June 30, 2016. Representatives with VTD and Peter Medina with Maze are available to present the audit document to the full Board.

Mr. Majors of VTD gave a brief description of the process taken to perform the audit for the District. Mr. Majors reported this was a clean audit. VTD found the numbers reflected in the financial statements as being accurately stated and the disclosures and footnotes are comprehensive, transparent and neutral and meet the current accounting reporting standards for governmental agencies. There were no deficiencies in internal control over the financial reporting process. Although Mr. Majors agreed with the current discount rate for the Defined Benefit Plan, he recommended to keep a close eye on it.

At this time Mr. Majors opened up the discussion for questions from the Board.

Director Huber questioned the recommended discount rate on the audit. Mr. Majors reported he agreed with what the actuarial analysis showed, but again recommended to keep a close eye on it.

Director Slater-Carter moved to acknowledge receipt of the Annual Audit for the period ending June 30, 2016. Direct the General Manager to send a copy to the County of San Mateo, the State Controller, Standard & Poor's, post on the District webpage and to make copies on file available to the public. Director Boyd seconded the motion.

All Directors were in favor and the motion passed unanimously.

2. Presentation by JQ Oeswein about the History of the District's Property During World War II.

General Manager Heldmaier reported Mr. J.Q. Oeswein recently researched the history of the Navy Gunnery School in Montara. Many of the historic building were identified and their past function and use was brought to light again. Mr. Oeswein spoke at the Half Moon Bay History Association about the Anti-Aircraft Gunner Training facility that was located on the District's property, and will give the same presentation to the Board of Directors this evening.

Mr. Oewsein presented a brief autobiography of himself then proceeded to the presentation. The brief autobiography and presentation are attached to the minutes.

3. Review and Possible Action Concerning Adoption of Connection Charge Report.

General Manager Heldmaier reported Senate Bill 1760 revised a section of the Government Code concerning development fees and charges in 1999. It requires local governments to make available to the public information about capacity charges, what they are used for and whether or not any are available for refund. It provides that any water or sewer connection charges shall not exceed the estimated reasonable cost of providing the service for which the charge is imposed. The attached annual Connection Charge Report provides a summary of the connection charge revenue received for previous fiscal years through FY 2015-16, and indicates how that money is allocated.

Director Boyd moved to authorize the filing of the Annual Connection Report with the District Clerk. Director Slater-Carter seconded the motion.

A roll call vote was called for and the motion passed unanimously 5 – 0.

4. Review and Possible Action Concerning Multi-Year Water Connection Fee Payment Program.

General Manager Heldmaier reported the large utility companies previously in charge of the water system in Montara and Moss beach failed to manage the resources adequately. A moratorium on new connections was mandated by the California Public Utilities Commission in 1984. Subsequently the San Mateo County Health Department started to issue well permits inside the urban rural zoned areas to allow new construction. For more than 30 years all new developments in the District built private domestic water wells, permitted by the San Mateo County Health Department. The high concentration of private wells in the urban/rural zones has detrimental effects to the local aquifers. The Mid-Coastside is the only area in California where a large number of private wells in the urban rural zone exist.

The Board has previously indicated interest in supporting existing homes currently served by wells to voluntarily connect to the public water supply. A Multi-Year Water Connection Fee Payment Program can offset the financial hurdle of connecting to the District.

Staff has developed a program that allows home owners to pay the connection fee over a number of years through the property tax bill. At this time we plan to send a letter to all eligible well owners inviting them to a Public Hearing at which the Board may choose to adopt the necessary ordinance to implement the program. The Public Hearing is currently scheduled for the regular scheduled meeting on

January 19, 2017. The Board may chose a different venue to allow for participation of interested parties.

Director Slater-Carter suggested a way for the residents to RSVP, so we have a clear understanding if how many people may attend the meeting. It is possible we may need to move to a larger facility to accommodate a larger group.

Staff was directed to send out the letter.

5. Review and Possible Action Concerning Certification of the Results of the November 8, 2016 Consolidated Election.

General Manager Heldmaier reported the Certificate of the Chief Elections Officer of San Mateo County has been received. It certifies that the following candidates have been elected to the Office of Director of Montara Water and Sanitary District for four-year terms:

Kathryn Slater-Carter
Scott Boyd

The recommendation is to adopt the next resolution in line declaring results of District Election held on November 8, 2016.

Director Wilson moved to adopt the next resolution in line declaring the results of the District Election held on November 8, 2016. Director Huber seconded the motion.

All Directors were in favor and the motion passed unanimously 5 – 0.

6. Review and Possible Action Concerning the Administration of the Oath of Office to the Newly Elected Board Members.

General Manager Heldmaier reported the elections code specifies that the elected officials should be sworn in before they are seated on December 2, 2016. Therefore the oath of office should be administered to Kathryn Slater-Carter and Scott Boyd.

The recommendation is to administer the oath of office to the above-named elected officials for four years.

Director Boyd read the oath of office and was sworn in for a 4 year term.

Director Slater-Carter read the oath of office and was sworn in for a 4 year term.

7. Review and Possible Action Concerning Appointment of Board Officers and Committee Assignments for 2017.

General Manager Heldmaier reported the attached chart indicated the current positions and committee assignments for each Board member. It is now time for each position to be assigned for the next calendar year. The assignments will become effective January 2017.

Director Huber moved to appoint the Officers by acclamation. Director Harvey seconded the motion.

All Directors were in favor and the motion passed 5 – 0.

Director Slater-Carter moved to appoint the Representatives by acclamation. Director Huber seconded the motion.

All Directors were in favor and motion passed unanimously 5 – 0.

Director Boyd moved to appoint the Standing Committees by acclamation. Director Slater-Carter seconded the motion.

All Directors were in favor and motion passed unanimously 5 – 0.

Director Boyd moved to appoint the Ad Hoc Committees by acclamation. Director Slater-Carter seconded the motion.

All Directors were in favor and the motion passed unanimously 5 – 0.

Attached is a copy of all the new assignments for 2017.

8. Review and Possible Action Concerning Cancellation of Next Regular Scheduled Meeting, January 5, 2017.

General Manager Heldmaier reported at this time there are no urgent items that require holding the next meeting.

Director Boyd moved to cancel the meeting for January 5, 2017. Director Huber seconded the motion.

All Directors were in favor and the motion passed unanimously 5 – 0.

REPORTS

1. Sewer Authority Mid-Coastside Meeting (Boyd) –

- Director Boyd reported there had been two meetings in November. The Board went over the conflict of interest code, amended the unrepresented employee manual in wages and benefits and terms of employment effective January 2017. We adopted the Sewer Authority wage schedule.

•There is great resistance to the hydrolic modeling. This will be brought back to the Board for further discussion.

•There was a Strategic Plan workshop for the Board in which the public was invited. This was very productive meeting. We shared concerns and feel very hopeful for more common purpose in the future.

2. MidCoast Community Council Meeting (Slater-Carter) – None

3. CSDA Report (Slater-Carter) – None

4. CCWD, NCCWD Committee Report – (Harvey, Huber) None

5. Attorney’s Report (Schricker) – None

6. Directors Report – Director Slater-Carter reported she had visited her son in Bermuda and found that by design, the water is collected on the roofs which have a special design and white coating where it is stored. If you run out of water, it is very expensive to purchase. Because of this, the residents in each house are very careful about conserving. For sewer, each house has a cesspool and relies on a service to come and pump it out into the ocean. They have to make do with what they have available. Director Slater-Carter found this very interesting and felt it important to share how other countries residents obtain water and deal with waste.

7. General Manager’s Report (Heldmaier) – reported there is still an issue on Kanoff Street. There still is no conclusion to the problem, but since have dug up the old sewer system as well as the new sewer system trenches and verified there is no connection between old trenches and sewer lines or new trenches and sewer lines in this area. We have been working with the county and did some repairs to the storm water system. This is a storm water issue that has now been turned over to the County. We look forward to continuing to work with the County and have this issue finally resolved.

FUTURE AGENDAS-

REGULAR MEETING ENDED at 9:45 P.M.

Respectfully Submitted,

Signed _____
Secretary

Approved on the 2nd, February 2017

Signed _____
President

A TOP SECRET MILITARY BASE ON THE COASTSIDE?

**Point Montara
Anti-aircraft Training Center
U.S. Navy (1942-1945)**

JQ Oeswein

Litchburg Sentinel

U. S. DECLARES WAR

3000 Casualties In Jap Attack; 2 U. S. Warships, Planes Lost

Believe 1500 Dead In Hawaii Bombings; Other Islands Hit

House Votes 388-1, Senate Result 82-0 In Show Of Unity

Souvenir Page For Those Who Were There

Honolulu Star-Bulletin 1st EXTRA

WAR!

OAHU BOMBED BY JAPANESE PLANES

SAN FRANCISCO, Dec. 7. - President Roosevelt announced this morning that Japanese planes had attacked Manila and Pearl Harbor.

New York World-Telegram

LATEST WALL ST. PRICES

1500 DEAD IN HAWAII

CONGRESS VOTES WAR

Tally in Senate is 82 to 0, in House 388 to 1, with Miss Rankin Sole Objector

100 to 200 Soldiers Killed in Japanese Raid On Luzon in Philippines

EXTRA!

WAR!

San Francisco Chronicle

BATTLE FOR HAWAII

LEAD, 21 INJURED, AT EMERGENCY HOSPITAL

Wardrobe See City Bombed

Wardrobe, 21 injured, at emergency hospital. Wardrobe, 21 injured, at emergency hospital. Wardrobe, 21 injured, at emergency hospital.

SPECIAL THE GETTYSBURG TIMES SPECIAL

War Edition War Edition

Japan Attacks Pearl Harbor And Then Declares War on U. S.

Sea and Air Might Are Hurled Against England And U. S. by Japanese

Japan's Reply to U. S. Is Delivered 12 Minutes Before Bombing of Honolulu

Uncle Sam's Forces Are Fighting On Land, Sea And in Air To Halt Invasion Of Bases By Nipponese

December 7th, 1941

WAR!

Pearl Harbor Attacked

Nevada State Journal

Nevada's Only Morning and Sunday Newspaper

TWO U. S. BATTLESHIPS SUNK

JAP EMPEROR IS FIRST ONE TO DECLARE WAR

WAR!

FOR WILL ASK CONGRESS TO ACT SWIFTLY

NOTHING TO FEAR, ASSERTS PREMIER TOJO

GUAM, WAKE, PHILIPPINES ATTACKED

AMERICAN GUNBOAT SUNK AT MANILA

THAT ENTERED JAPANESE AIRSHIP GUARD BUILT OFF HAWAII

BRITISH BATTLE OFF RAIDS ON SINGAPORE, MALAY AREA

FOUR NATIONS COME TO AID OF AMERICANS

The Boston Daily Globe

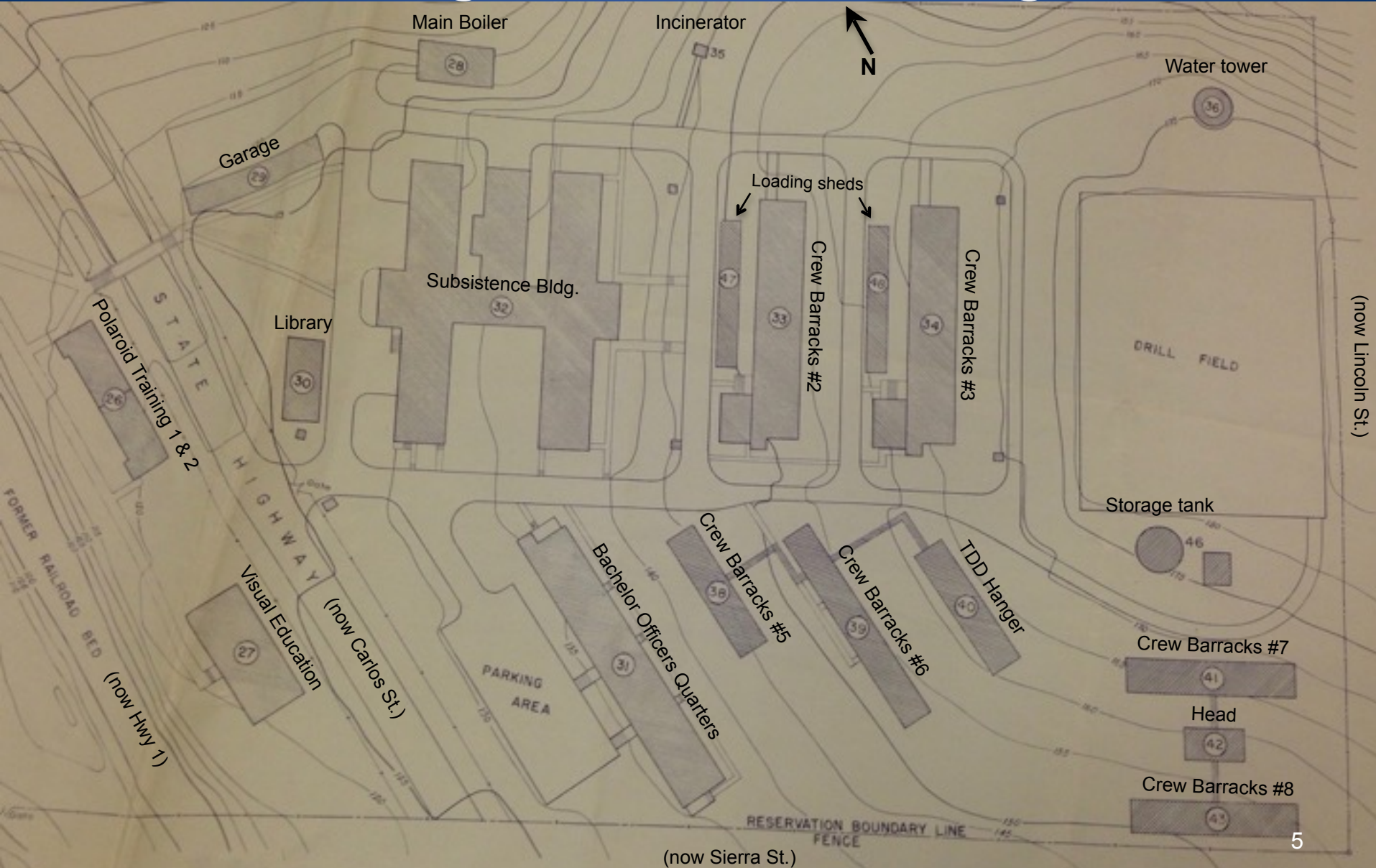
HAWAII BOMBED

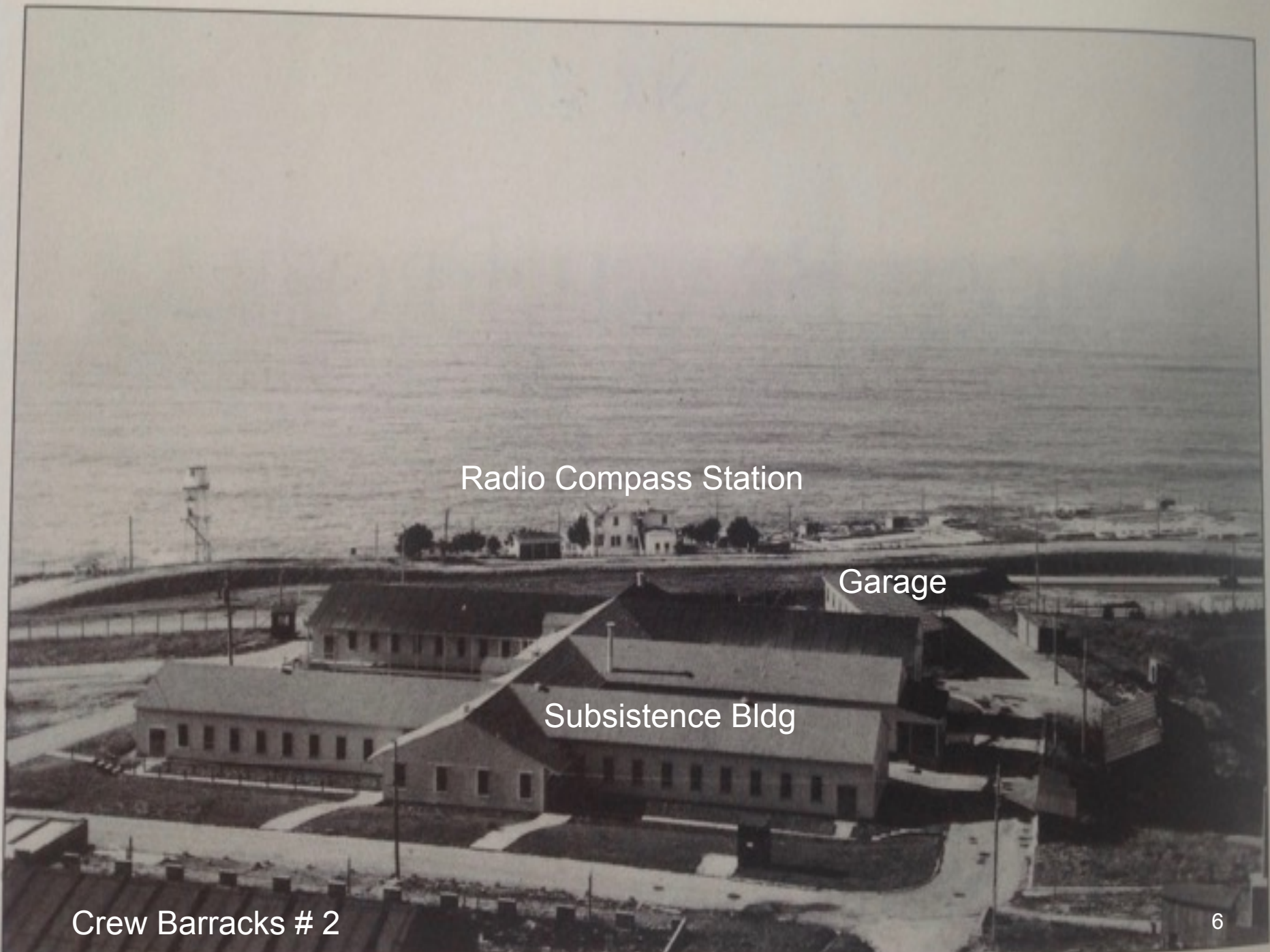
JAPAN DECLARES WAR

Point Montara Anti-aircraft Training Center overview

- Top secret facility operated by U.S. Navy during WWII
- Located on Point Montara & Farallone Heights in Moss Beach
- Contained 48 permanent structures
- Housed over 1,500 men
- Trained 320,000 Navy sailors and Merchant Marines on the latest technology in anti-aircraft weapons systems
- Progressive in use of WASP & radio-controlled drones for live-fire training

Point Montara Anti-aircraft Training Center Buildings on Farallone Heights





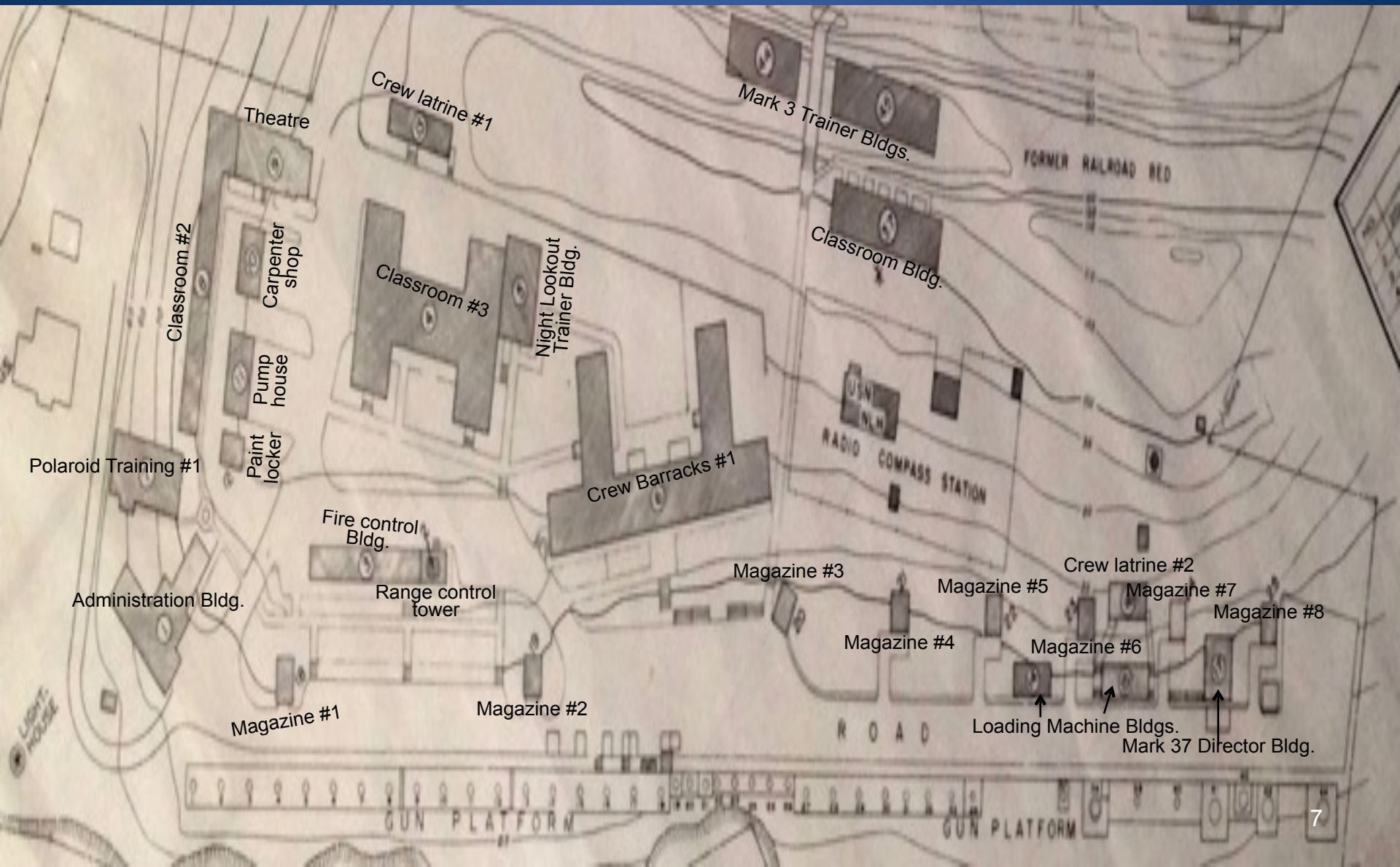
Radio Compass Station

Garage

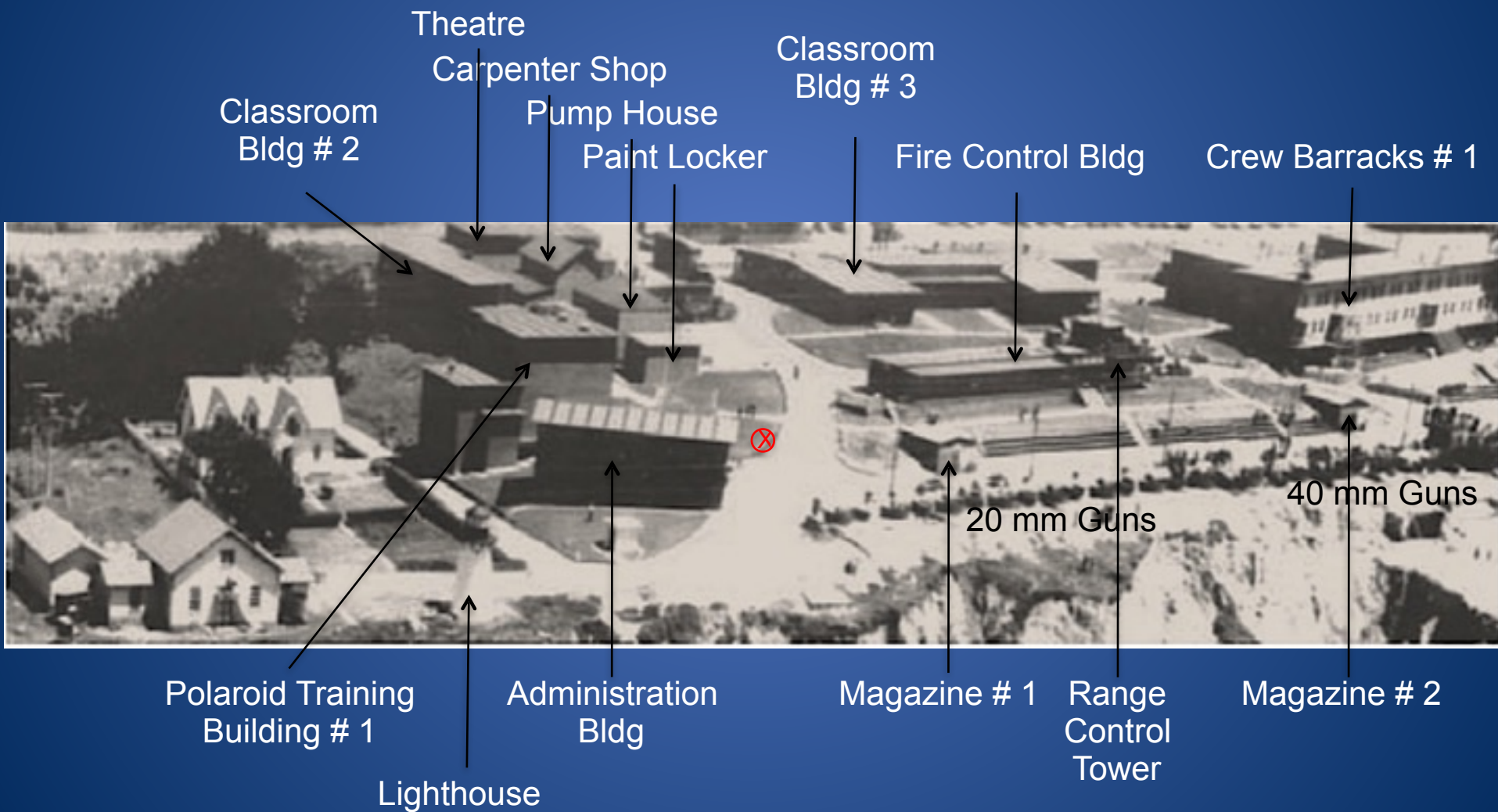
Subsistence Bldg

Crew Barracks # 2

Point Montara Anti-aircraft Training Center Buildings on the Lighthouse Bluffs



Point Montara Anti-aircraft Training Center Buildings on the Lighthouse Bluffs





Magazine # 1

Target-towing Pilots



Elizabeth L. Gardner, WASP, at the controls of a B-26 Marauder.

Pilots flew aircraft towing target sleeves offshore past firing artillery along the coast at Point Montara.

Many of these pilots were Women Air Service Pilots (WASP).

The bravery and service of these pioneering women were significant during WWII.



WASP towing target with A-24 at Camp Davis AATC, NC

First Drone Aircraft



Culver PQ-14 Cadet Drone



PQ-14 controlled by OQ-3 (C-45) Mothership

Women Airforce Service Pilots (WASP) Flew Target Planes at Point Montara



Cessna UC-78 (AT-17)

Mother
ships



Beechcraft C-45 (AT-11)



Culver PQ-14 with Pilot

Drones



Shirley Thackara in a PQ-14
at the Moss Beach military airstrip

More than 1,000 Women Airforce Service Pilots (WASP) served during World War II, flying more than 60 million miles in every type of military aircraft. (US Air Force)



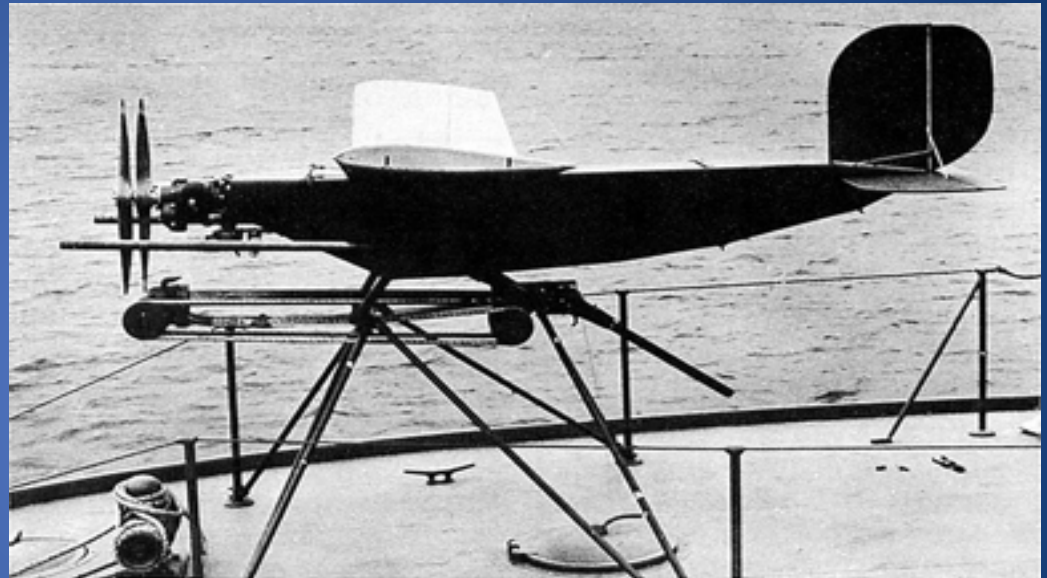
Frances Green, Margaret (Peg) Kirchner, Ann Waldner and Blanche Osborn leaving their plane, "Pistol Packin' Mama," at the four-engine school at Lockbourne AAF, Ohio, during WASP ferry training for the B-17 Flying Fortress.

“Women flying military planes was groundbreaking.”

- June Morrall, Moss Beach Historian

Reginald Denny (1891-1967)

The Father of Drones



TDD-1, with Shock Cord Launcher

In 1934, Hollywood film star Reginald Denny, who flew radio-controlled planes as a hobby, had the idea to use them as target planes for gunnery training. In 1935, Denny bought the Radioplane Co. to develop radio-controlled aircraft. Beginning in 1939, Denny's contracts with the Army and Navy to produce target drones blossomed into a multi-million dollar industry during World War II. The Navy named them "Target Drone Dennys (TDDs)", after the actor. Radioplane Co. became a Northrop subsidiary in 1952.



TDD-2, shot down Oct. 1, 1945



TDD-3, recovery

Point Montara AATC Path to Shoreline





TDD-1, USS New York, Sep., 1943



TDD-2, USS Wyoming, May 9, 1945

Women War Workers





Captain Ronald Reagan, U.S. Army Air Force



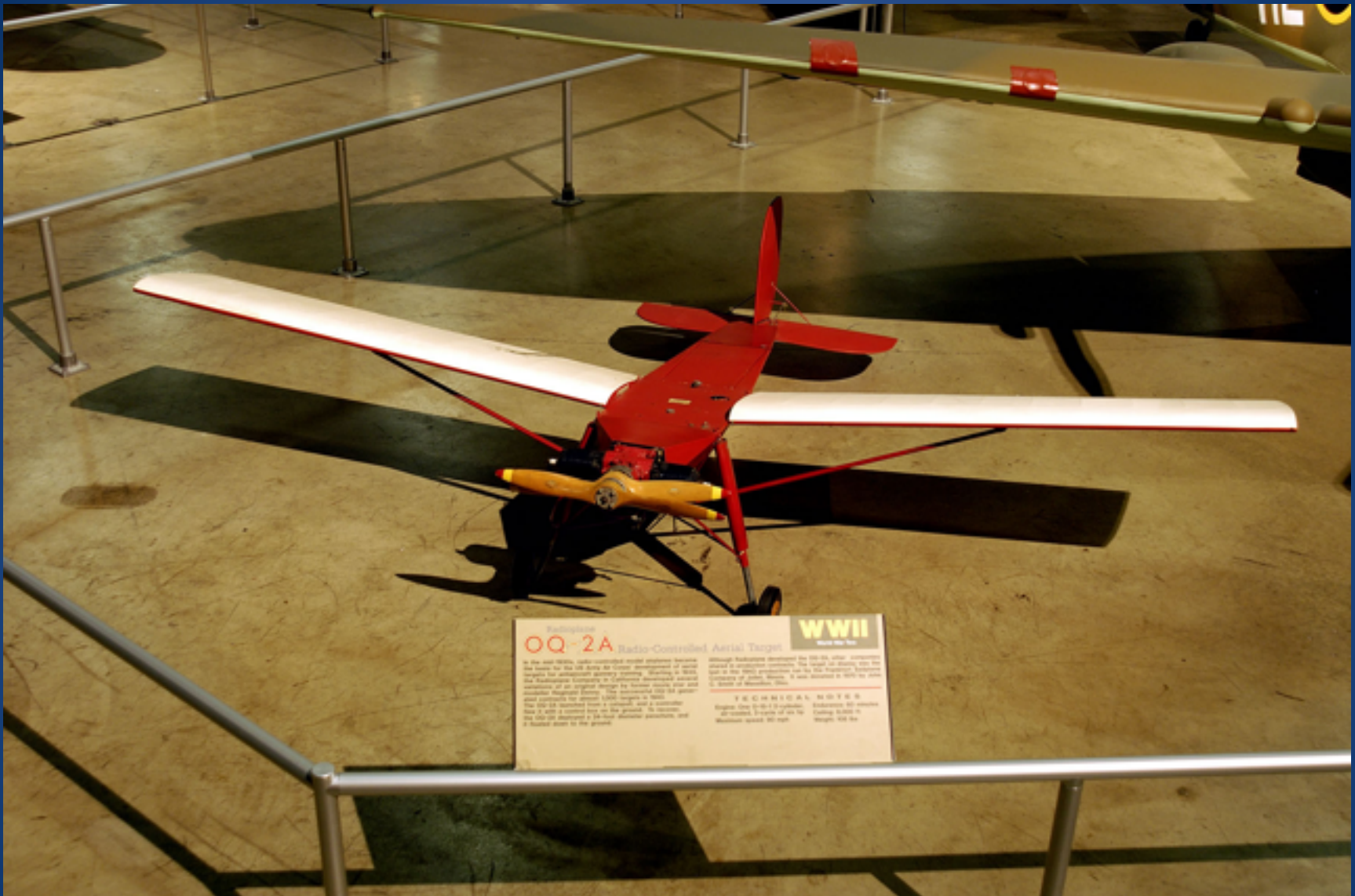
Norma Jeane Dougherty at the Radioplane Co. in 1945



Norma Jeane Dougherty in 1945



Marilyn Monroe in 1953

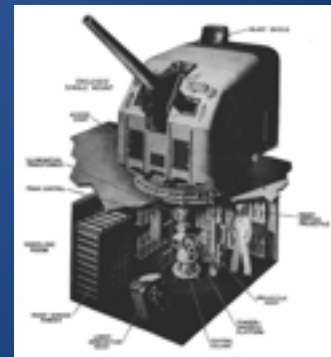
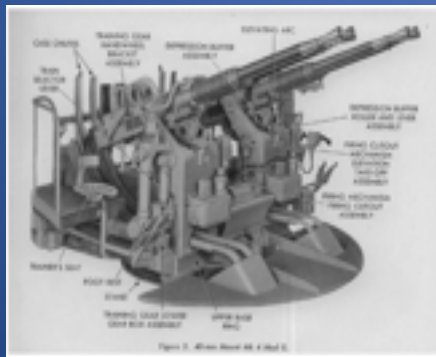
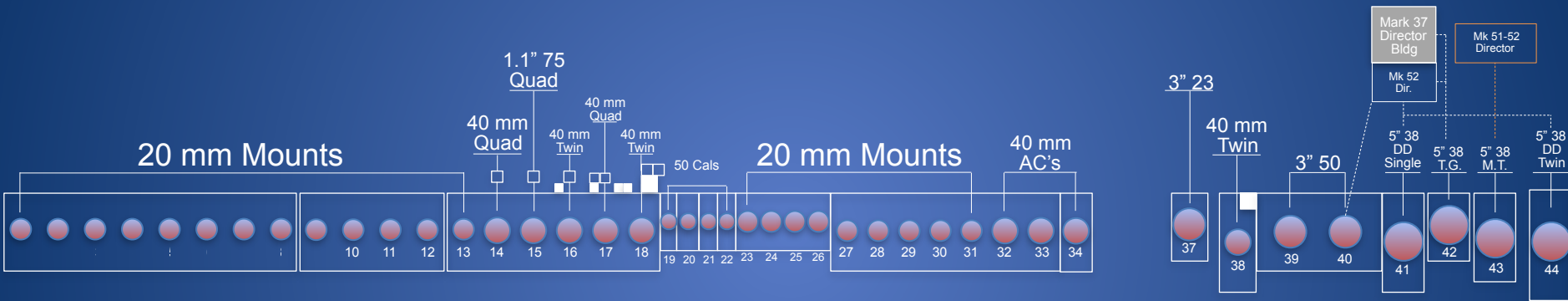


Radioplane OQ-2A (TDD-1) in the World War II Gallery at the National Museum of the United States Air Force. (U.S. Air Force photo).

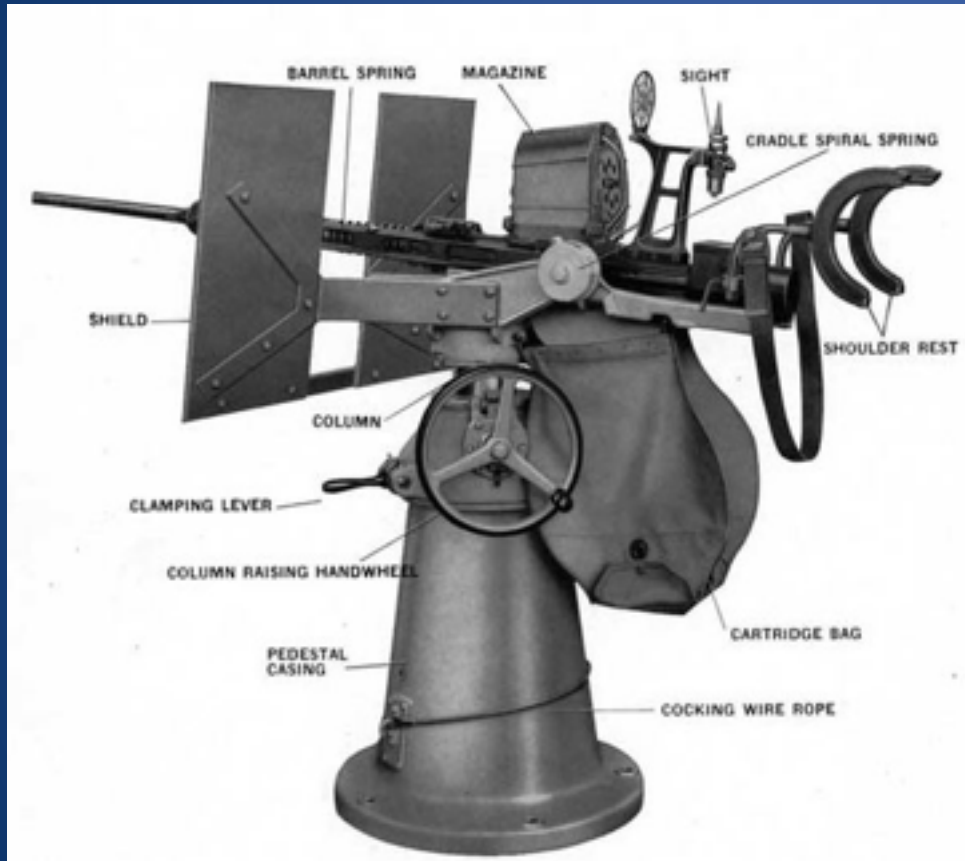
Anti-aircraft Training was Critical in the War Effort



44 Gun Mounts



20 mm Oerlikon Cannon



Specifications (L70 and L85)

Weight (unloaded): 150 – 203 lbs
Barrel length: 87" (7' 3")
Shell: 20 mm X 110-128 mm
Elevation: -15° to +90°
Traverse: Full 360°
Rate of fire: 450 – 1,000 rounds/min
Muzzle velocity: 2,700 – 3,400 ft/s
Firing range: 1,000 – 7,400 yards
(Most effective at 1,000 – 1,600 yards)

U.S. Navy Anti-Aircraft Training Center, Point Montara, California



Gun crews learning to load and fire 20 mm Oerlikon cannons at moving targets

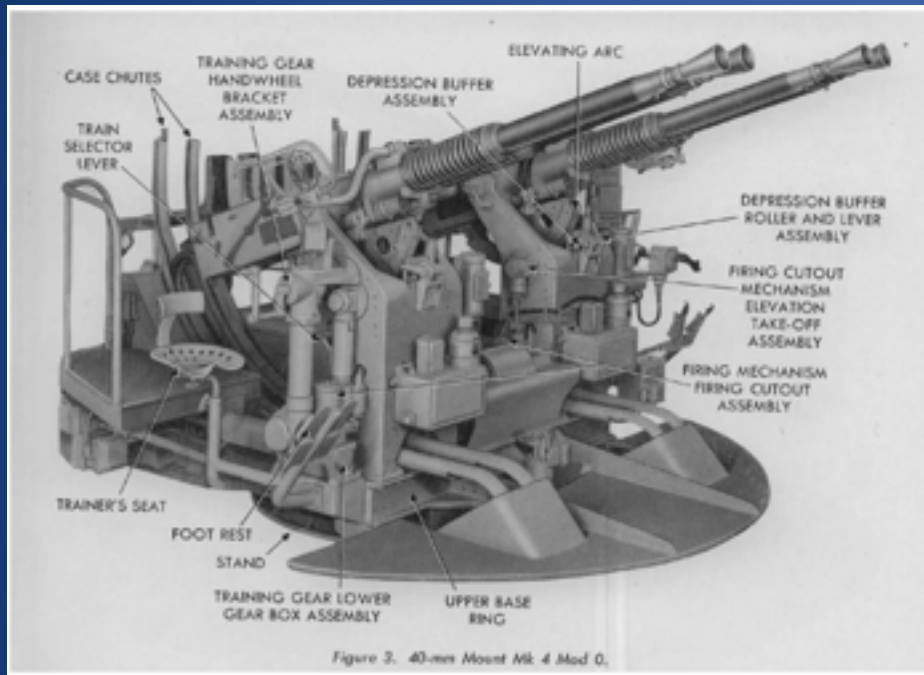
Photos: U.S. Navy National Museum

Size of 20 mm Round



From left to right: .22, .25, .32, 9mm, 7.62, .303, 7.9mm, .50 cal, 20mm

40 mm Bofor Cannon



Specifications (L60 and L70)

Weight (unloaded): 4,367 – 11,350 lbs

Barrel length: 88" – 110"

Shell: 40 X 311–364 mm

Elevation: -20° to +90°

Traverse: Full 360°

Rate of fire: 120 – 330 rounds/min

Muzzle velocity: 2,890 – 3,350 ft/s

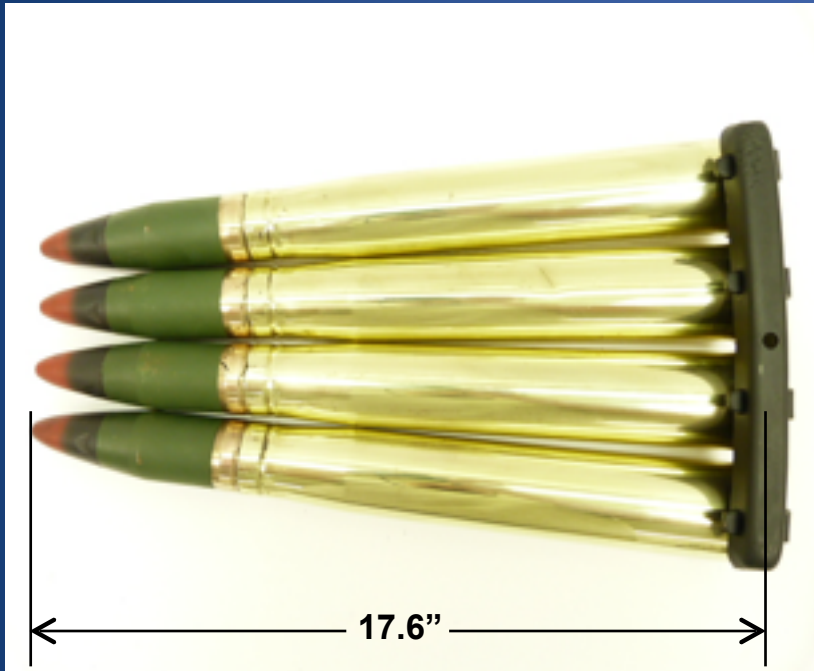
Firing range: 7,830 – 13,667 yards

U.S. Navy Anti-Aircraft Training Center, Point Montara, California



Photo: U.S. Navy National Museum

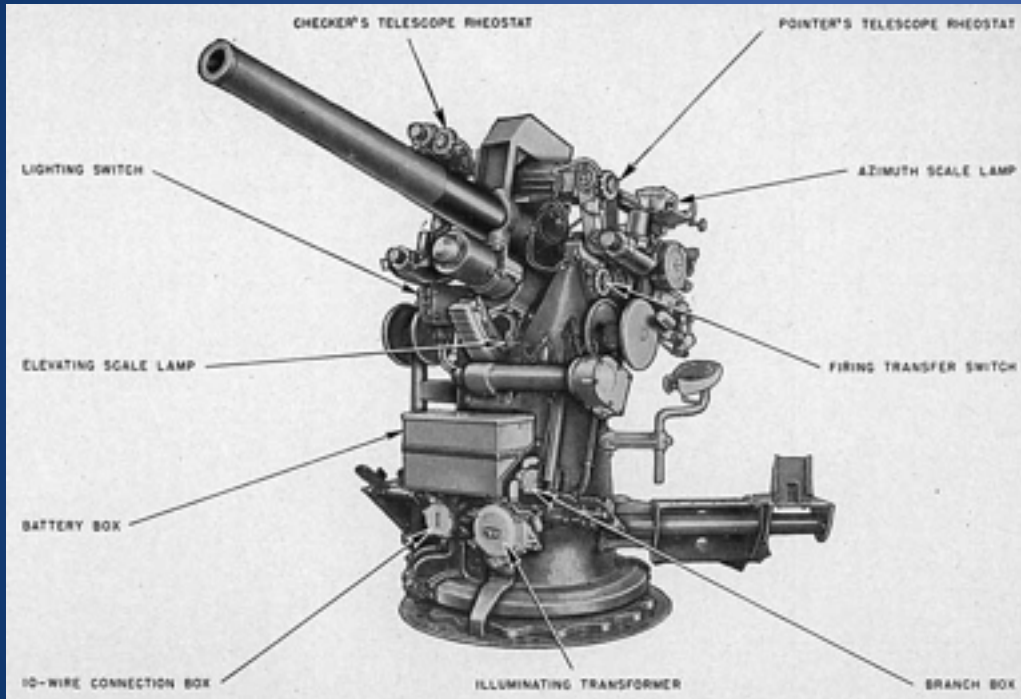
Size of 40 mm Round





MK 12 quadruple mount of Bofors guns fires from USS Hornet

3"/23 & 50 Caliber Guns



Specifications (23 & 50 Caliber)

Weight (unloaded): 531 - 2,086 lbs

Barrel length: 69" – 150"

Shell: 3" X 34" (16 - 24 lbs armor-piercing)

Elevation: -15° to +85° (AA mount)

Traverse: Full 360°

Rate of fire: 8 – 20 rounds/min

Muzzle velocity: 1,650 - 2,700 ft/s

Firing range: 6,000 - 14,600 yards
(depending on elevation)

3"/50 Caliber Gun



Size of 3"/50 Caliber Round



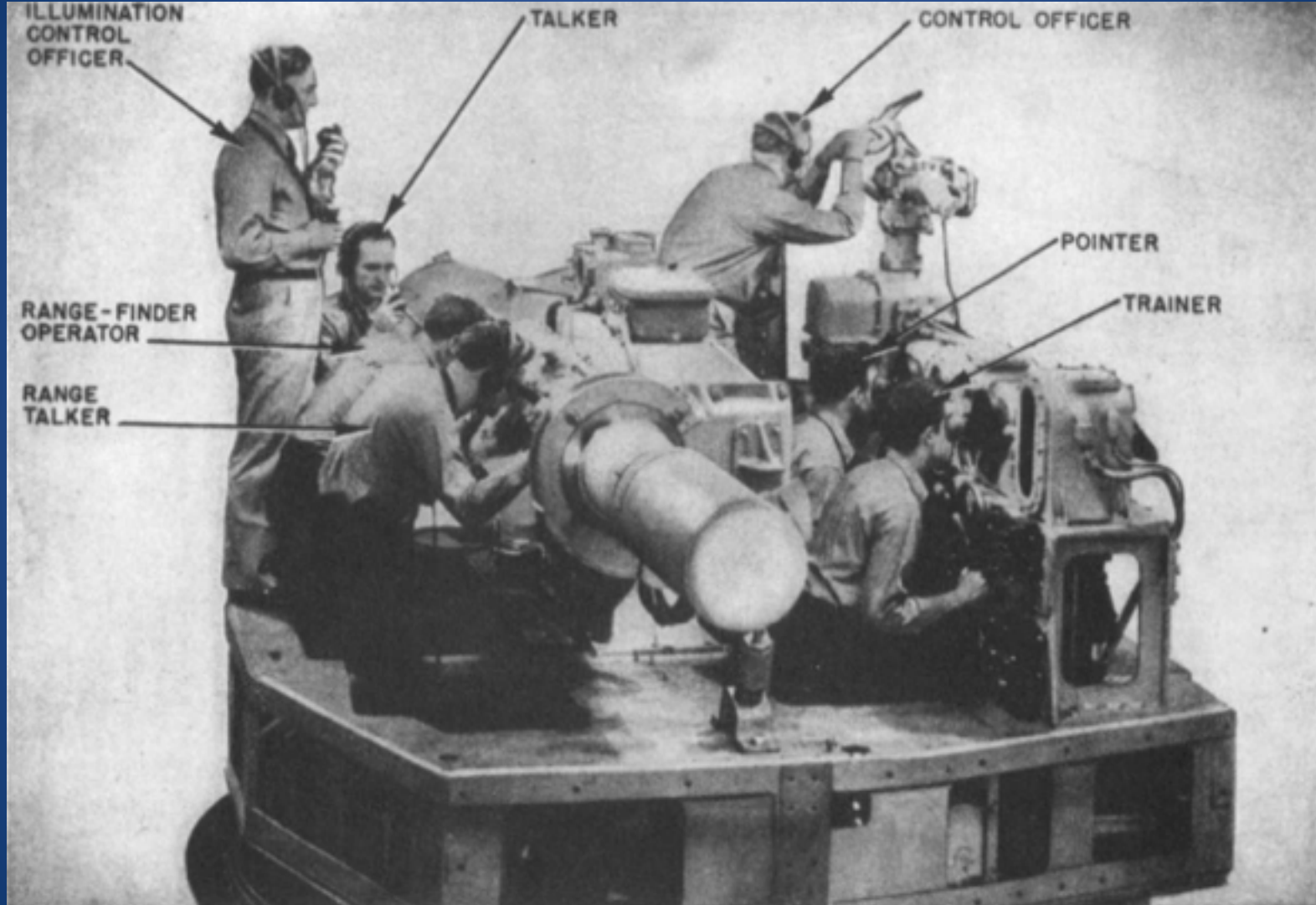


Sailor Loading Fixed 5"/38 Caliber Ammunition

Oil on Canvas 1942 by McClelland Barclay

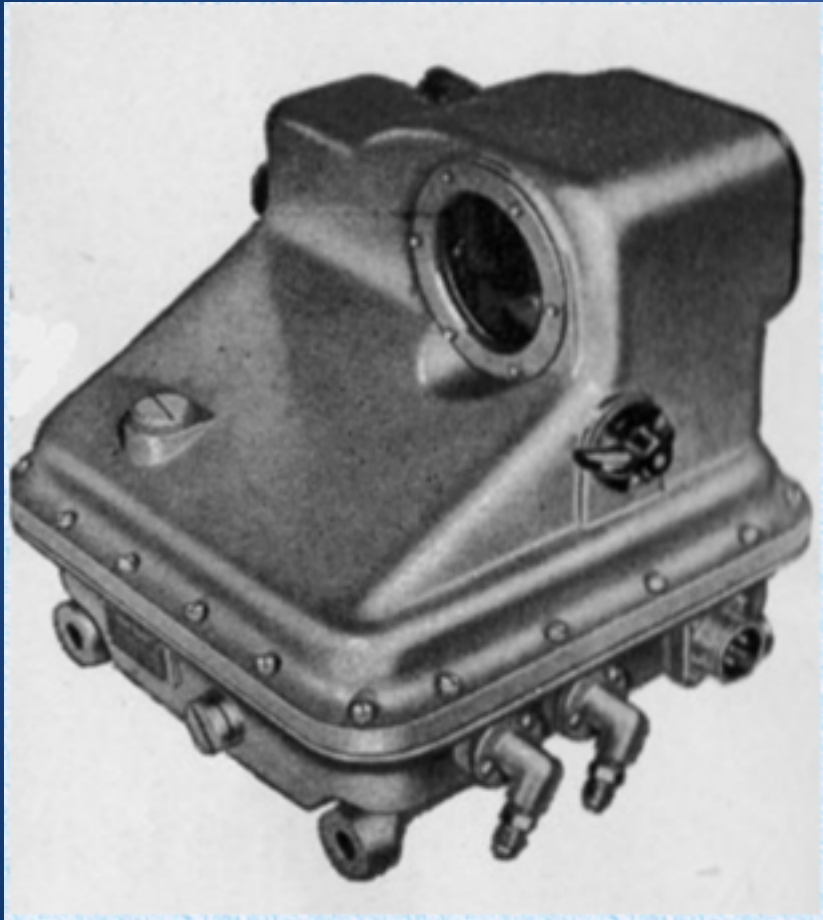
Used as art for Navy recruiting poster: "Man the Guns--Join the Navy"

Gun Fire Control Systems Prior to WWII

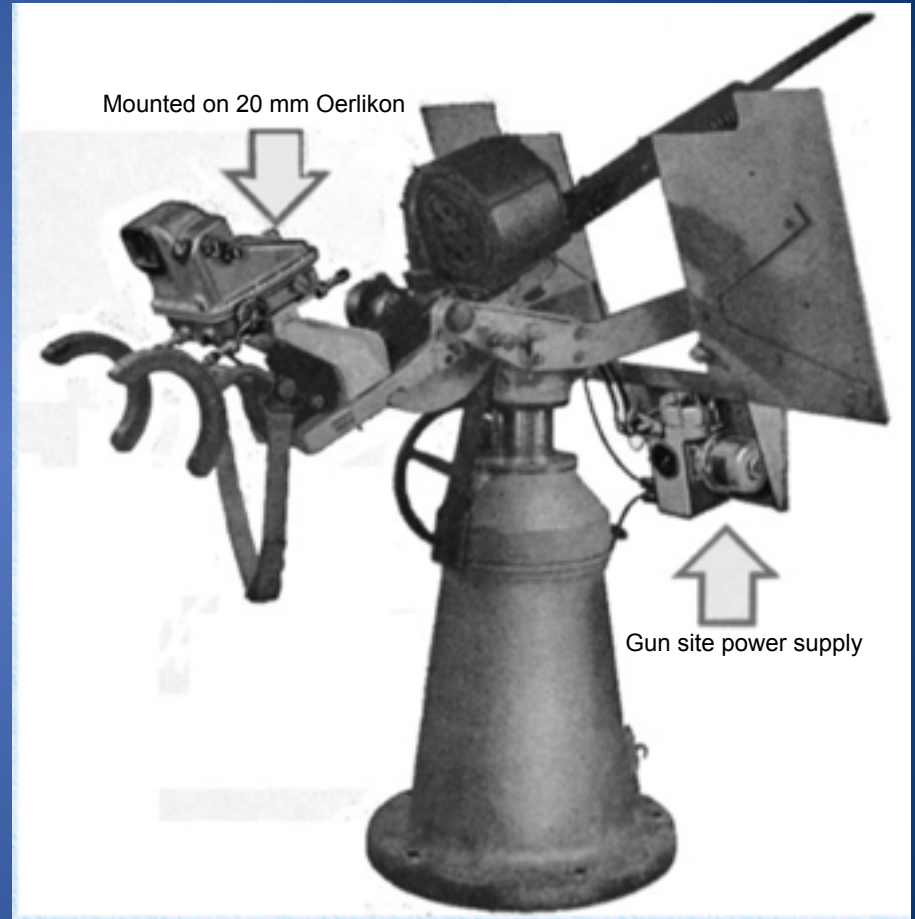


The Mark 37 Director

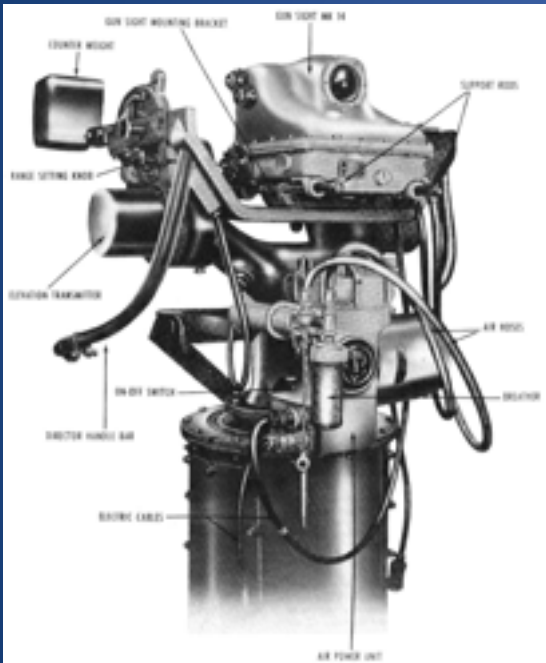
Major Advances in AA Weapons Technology



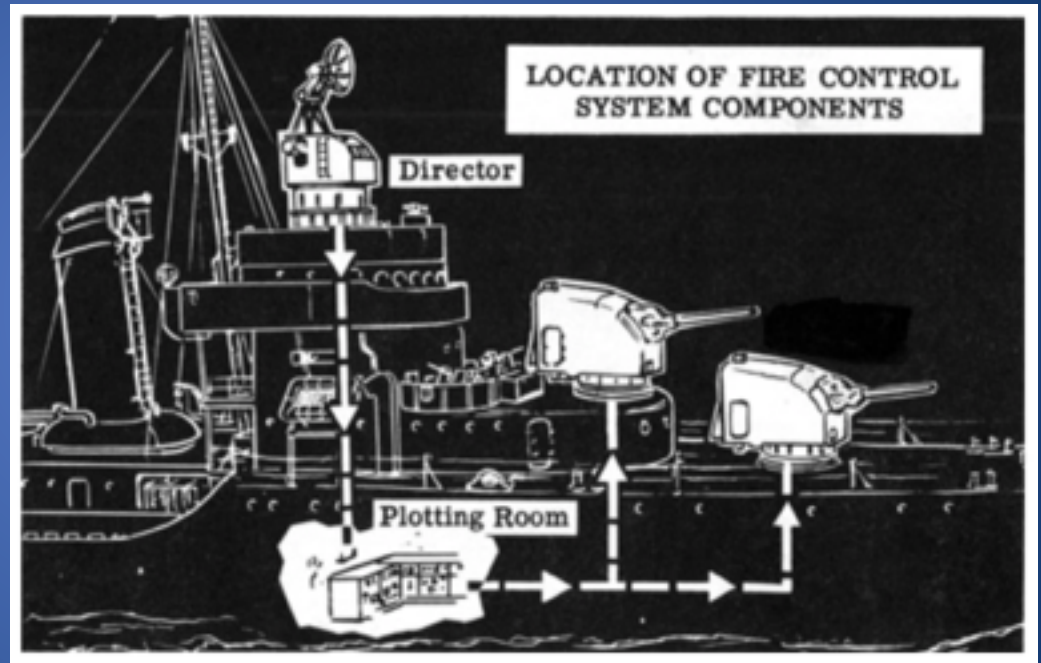
The Mark 14 Gun Site



U.S. Navy Gun Fire Control Systems (GFCS) Used in WWII

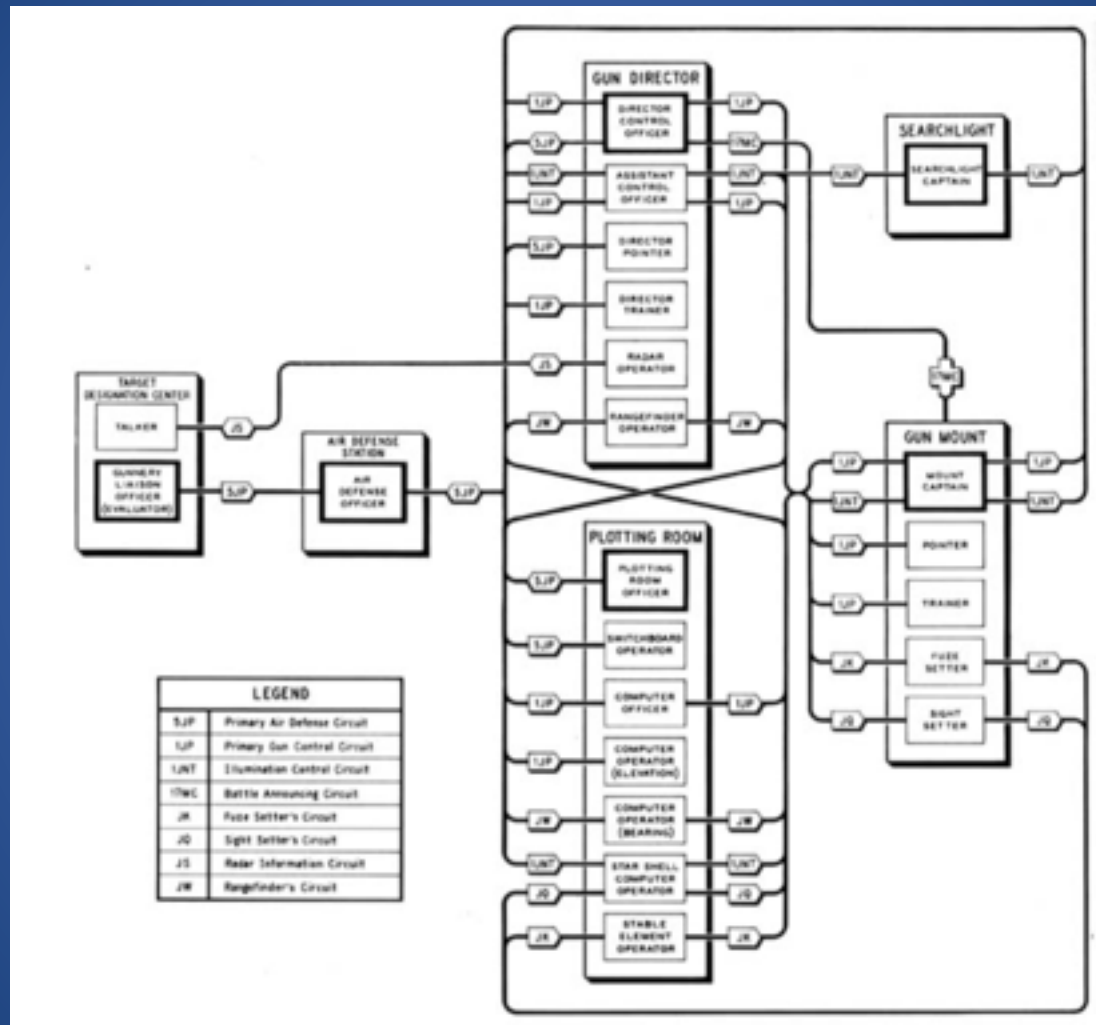


Mark 51 Director for 40 mm Bofor



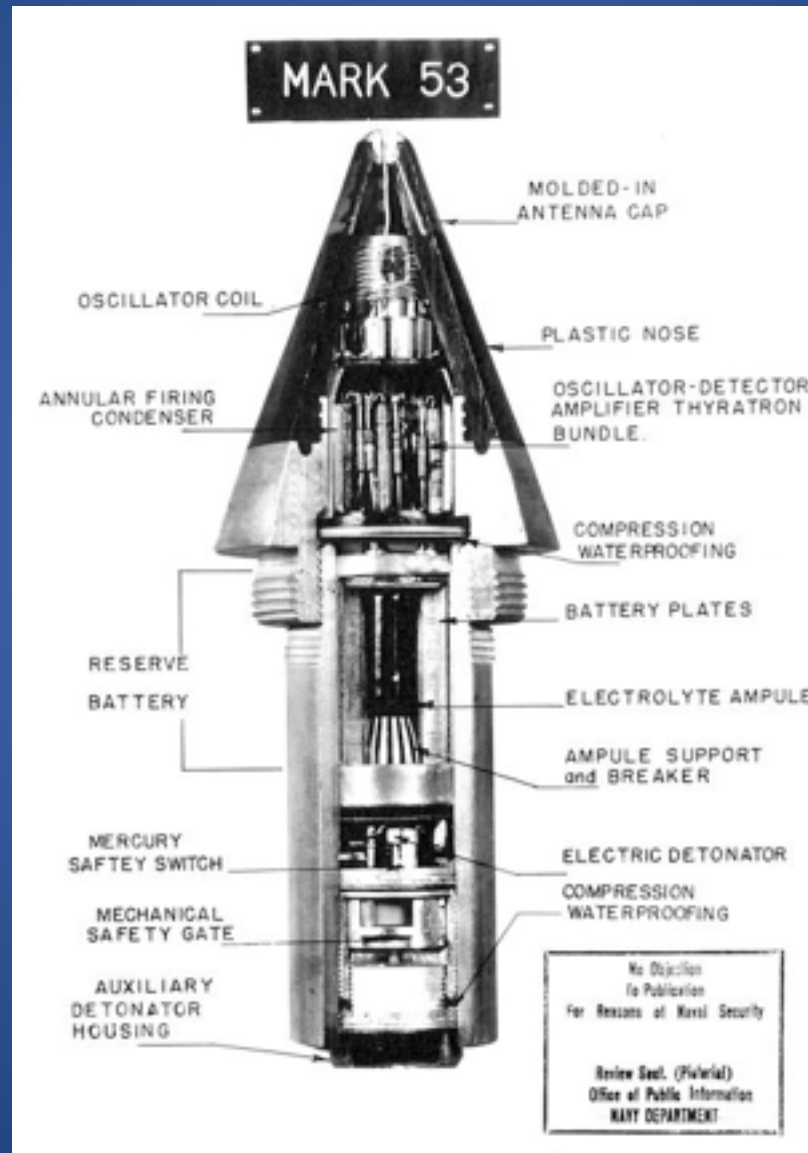
Basic layout of a GFCS aboard ship

The Updated Mark 37 GFCS



Typical Communications Setup for the Mark 37 GFCS

The Variable-time (VT) Fuze

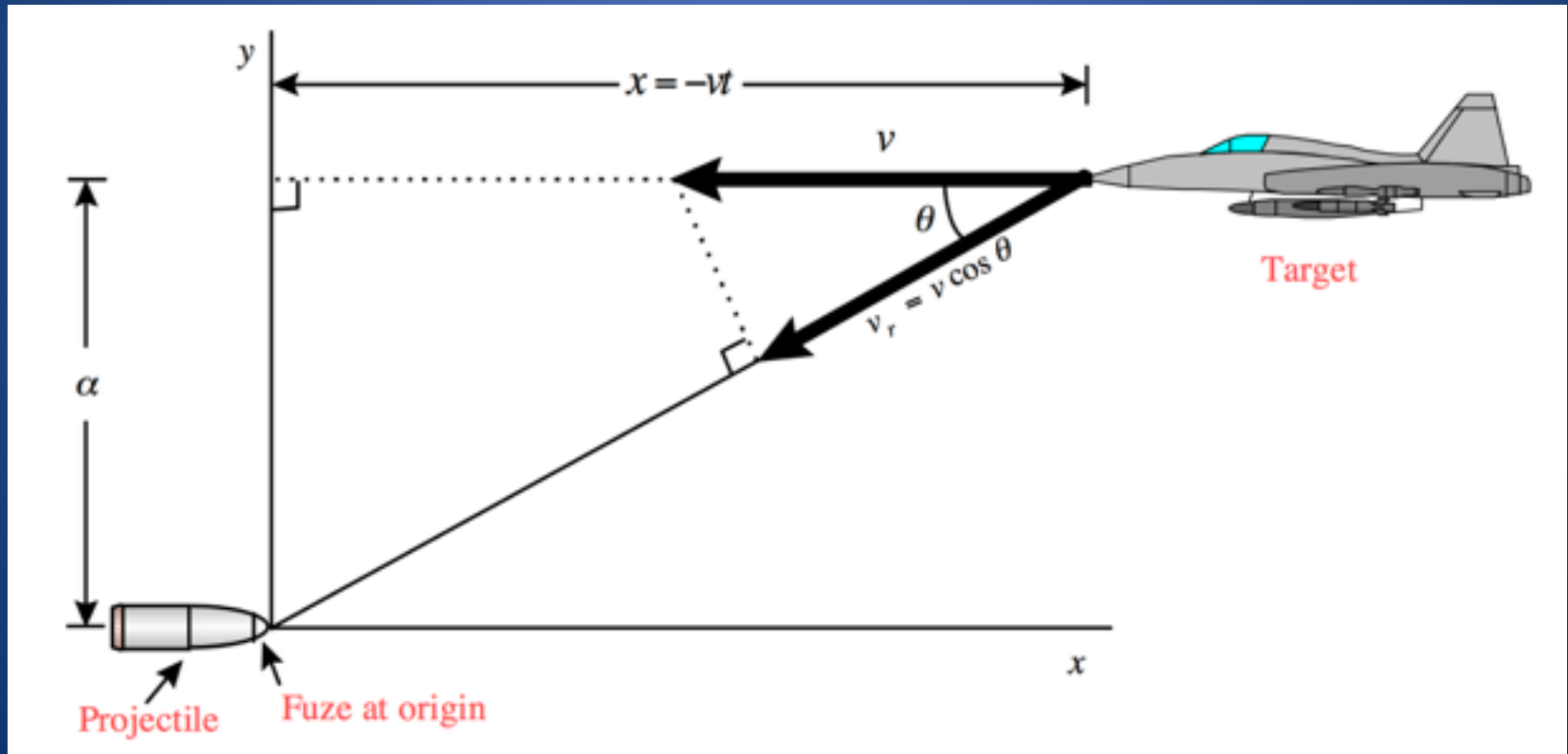


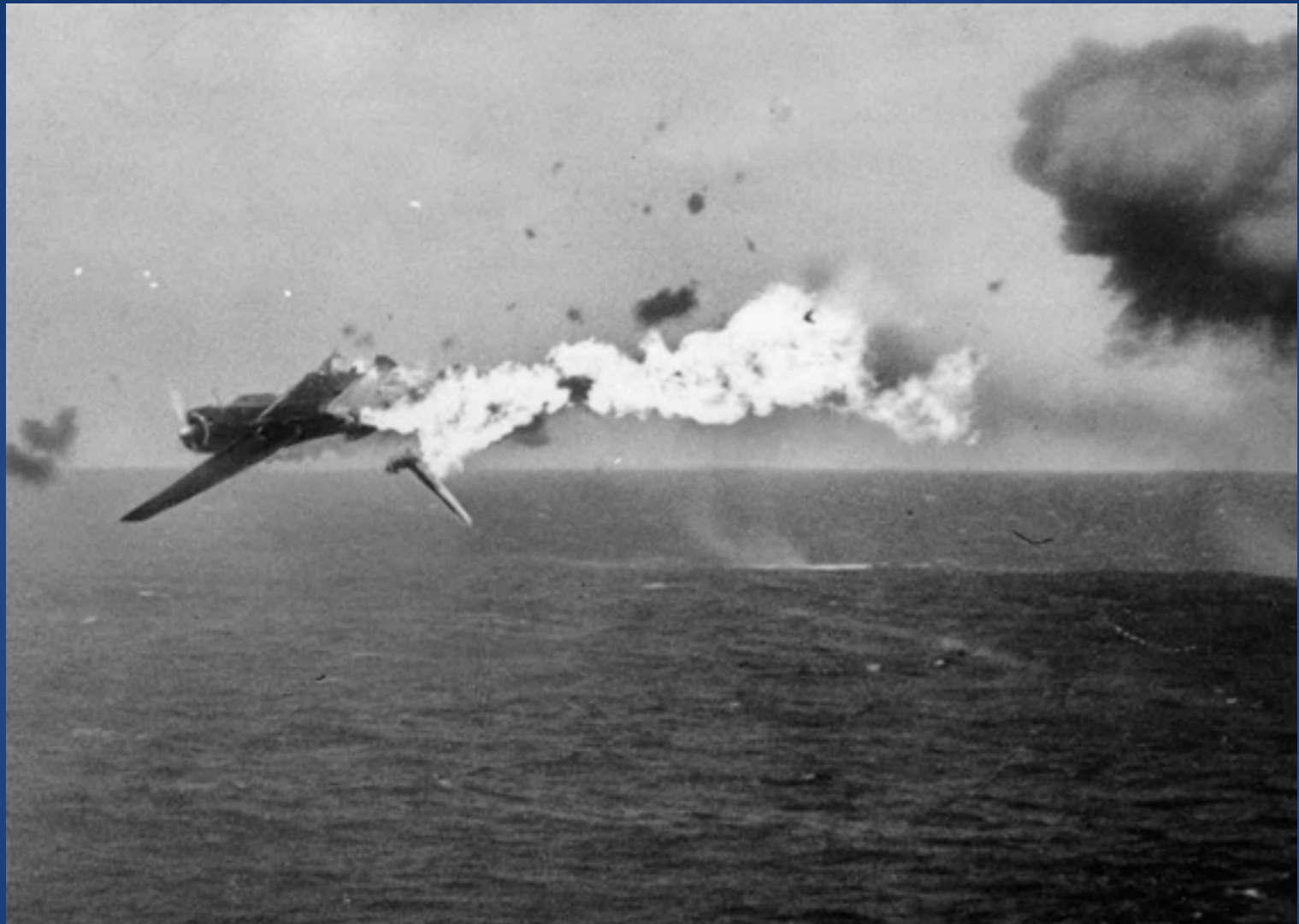
VT Fuse – How it Works

The doppler frequency shift, $f_d = 2 v_r f_0 / c$

where v_r is the relative velocity between fuze and target,

f_0 is the transmitted frequency and c is the speed of light





A Japanese torpedo bomber goes down in flames after a direct hit by 5-inch shells from the aircraft carrier USS Yorktown, on October 25, 1944.

U.S. Navy Stats on Anti-aircraft Weapons Systems Effectiveness

Over the 45 months of WWII:

- 7,600-7,800 enemy planes came within shipboard AA
- 2,773 enemy planes were shot down or destroyed
- 715 US ships were sunk or damaged

$\frac{2,773}{7,600} = 36\%$ of enemy planes shot down or destroyed

$\frac{715}{7,600} = 9\%$ of US ships sunk or damaged

Point Montara Anti-aircraft Training Center





MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: February 2, 2017

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

**SUBJECT: Approve Financial Statements for December
2016**

Due to technical issues Maze Assoc. could not transfer the documents in time for the agenda packet. The documents will be made available as soon as MWSD management receives them.



MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: **February 2, 2017**

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

SUBJECT: SAM Flow Report for December 2017

The Sewer Authority Mid-Coastside (SAM) has prepared the following attached reports for the SAM Board of Directors and the California Regional Water Quality Control Board:

- Flow Report for December 2016.
- Collection System Monthly Overflow Report – December 2016.

The Average Daily Flow for Montara was 0.442 MGD in December 2016. There was no reportable overflow in December in the Montara System. SAM indicates there were 7.77 inches of rain in December 2016.

RECOMMENDATION:

Review and file.

Attachments

Attachment A

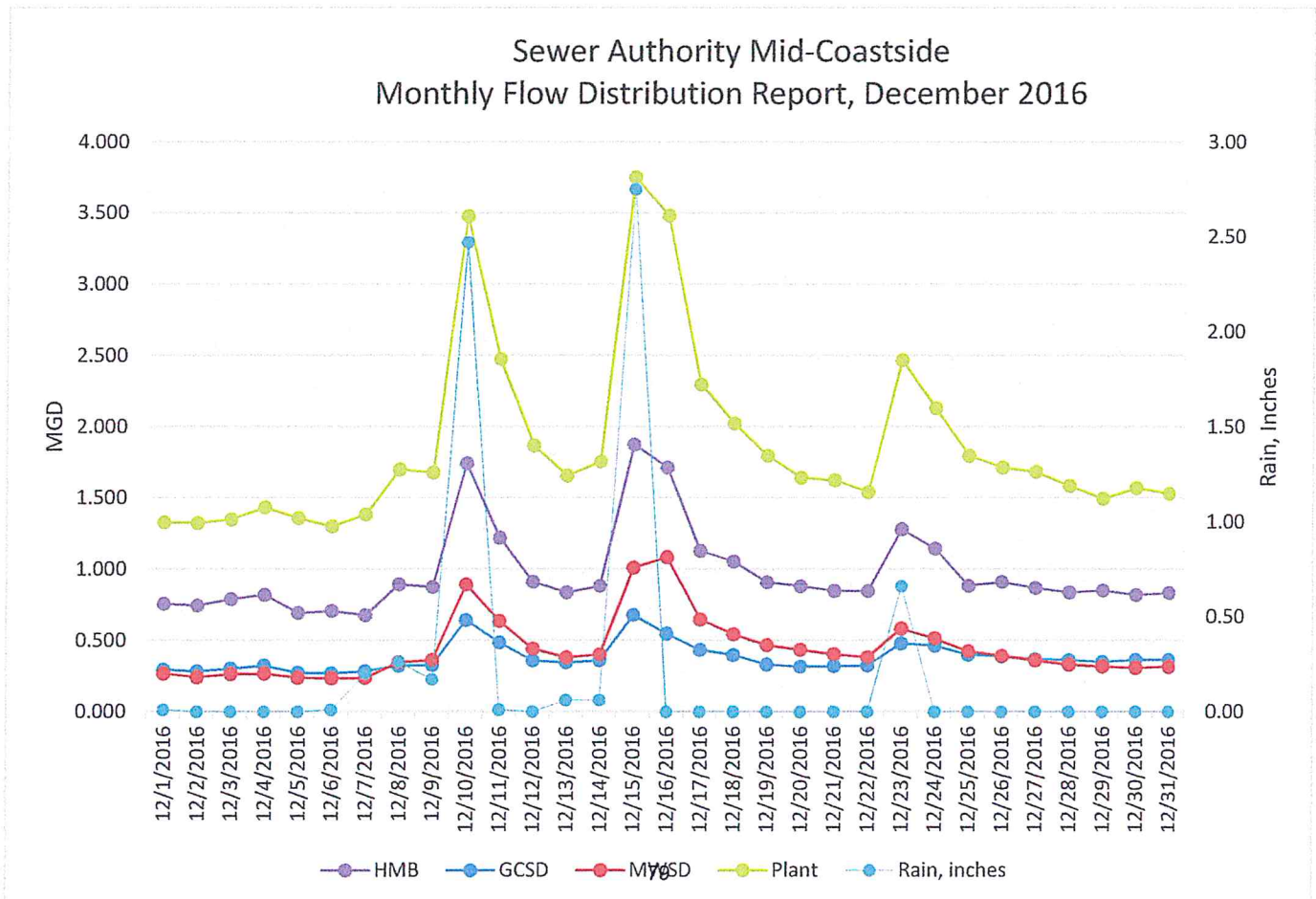
Flow Distribution Report Summary For December 2016

The daily flow report figures for the month of December 2016 have been converted to an Average Daily Flow (ADF) for each Member Agency. The results are attached for your review.

*Influent flow is calculated using the mid-plant flow meter less process water and trucked in waste

The summary of the ADF information is as follows:

	<u>MGD</u>	<u>%</u>
The City of Half Moon Bay	0.975	54.3%
Granada Community Services District	0.379	21.1%
Montara Water and Sanitary District	<u>0.442</u>	<u>24.6%</u>
Total	1.796	100.0%



Sewer Authority Mid-Coastside

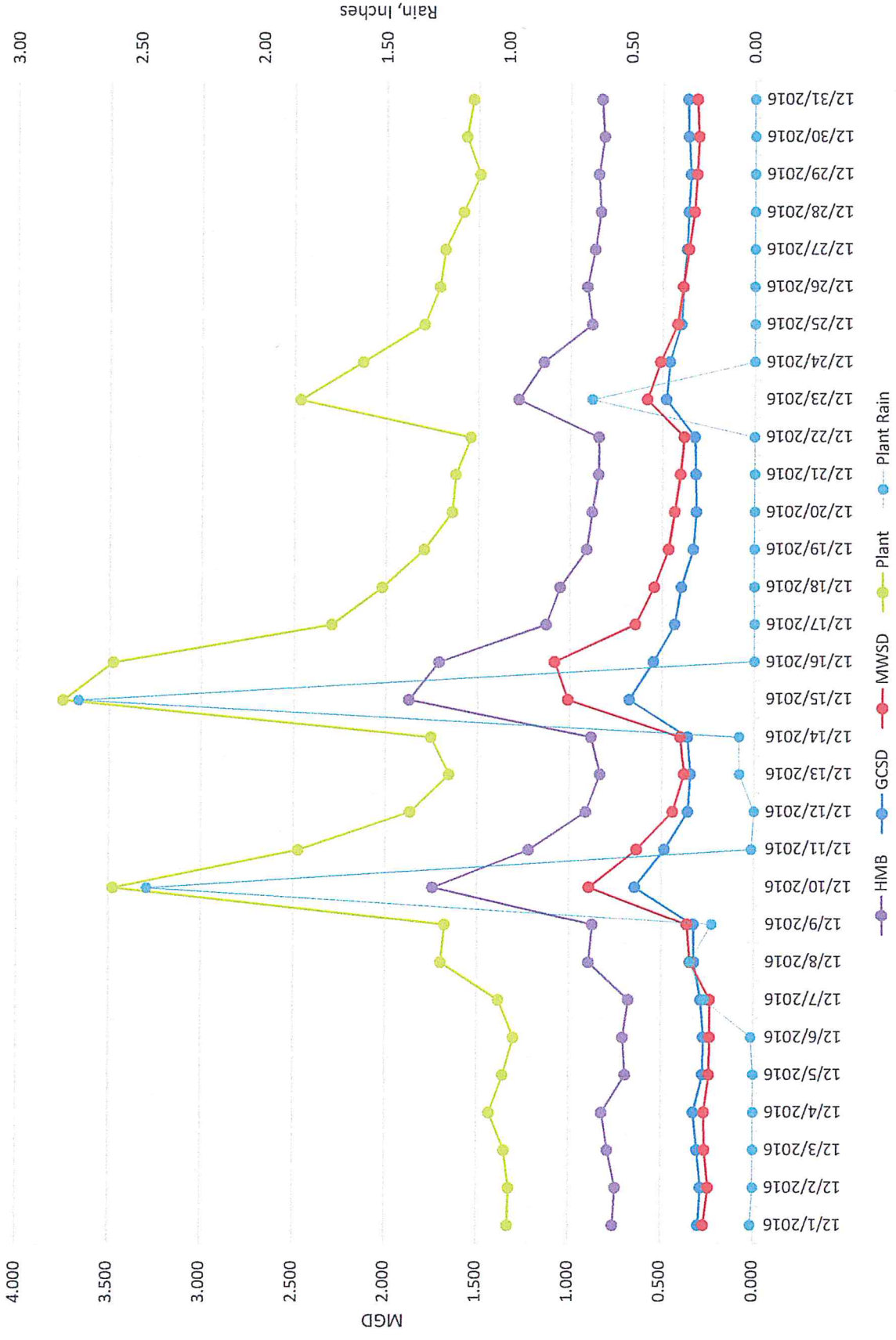
Monthly Flow Distribution Report for December 2016

<u>Date</u>	<u>HMB</u>	<u>GCSD</u>	<u>MWSD</u>	<u>Plant</u>	<u>Rain Plant</u>	<u>Rain Portola</u>	<u>Rain Montara</u>
12/1/2016	0.757	0.295	0.267	1.329	0.01	0.00	0.00
12/2/2016	0.744	0.283	0.242	1.324	0.00	0.00	0.00
12/3/2016	0.788	0.303	0.262	1.348	0.00	0.00	0.00
12/4/2016	0.819	0.324	0.266	1.432	0.00	0.00	0.00
12/5/2016	0.692	0.273	0.239	1.358	0.00	0.00	0.00
12/6/2016	0.706	0.269	0.235	1.300	0.01	0.00	0.00
12/7/2016	0.676	0.285	0.237	1.383	0.20	0.31	0.32
12/8/2016	0.893	0.322	0.345	1.699	0.26	0.26	0.50
12/9/2016	0.873	0.327	0.362	1.678	0.17	0.18	0.20
12/10/2016	1.743	0.643	0.893	3.477	2.47	1.57	2.65
12/11/2016	1.220	0.484	0.635	2.474	0.01	0.00	0.00
12/12/2016	0.911	0.358	0.440	1.866	0.00	0.00	0.00
12/13/2016	0.836	0.346	0.379	1.656	0.06	0.13	0.13
12/14/2016	0.883	0.360	0.400	1.754	0.06	0.07	0.13
12/15/2016	1.874	0.677	1.010	3.751	2.75	1.13	1.87
12/16/2016	1.713	0.547	1.084	3.480	0.00	0.00	1.00
12/17/2016	1.130	0.433	0.647	2.297	0.00	0.00	0.00
12/18/2016	1.054	0.397	0.543	2.021	0.00	0.00	0.00
12/19/2016	0.909	0.332	0.466	1.794	0.00	0.00	0.00
12/20/2016	0.880	0.316	0.434	1.642	0.00	0.00	0.00
12/21/2016	0.847	0.320	0.403	1.623	0.00	0.00	0.00
12/22/2016	0.845	0.324	0.382	1.541	0.00	0.00	0.00
12/23/2016	1.281	0.479	0.583	2.466	0.66	0.53	0.97
12/24/2016	1.145	0.462	0.513	2.129	0.00	0.00	0.00
12/25/2016	0.884	0.400	0.422	1.796	0.00	0.00	0.00
12/26/2016	0.910	0.389	0.390	1.713	0.00	0.00	0.00
12/27/2016	0.867	0.368	0.359	1.683	0.00	0.00	0.00
12/28/2016	0.836	0.361	0.329	1.584	0.00	0.00	0.00
12/29/2016	0.849	0.350	0.316	1.494	0.00	0.00	0.00
12/30/2016	0.818	0.362	0.307	1.568	0.00	0.00	0.00
12/31/2016	0.831	0.364	0.314	1.531	0.00	0.00	0.00
Totals	30.217	11.754	13.704	58.189	6.66	4.18	7.77

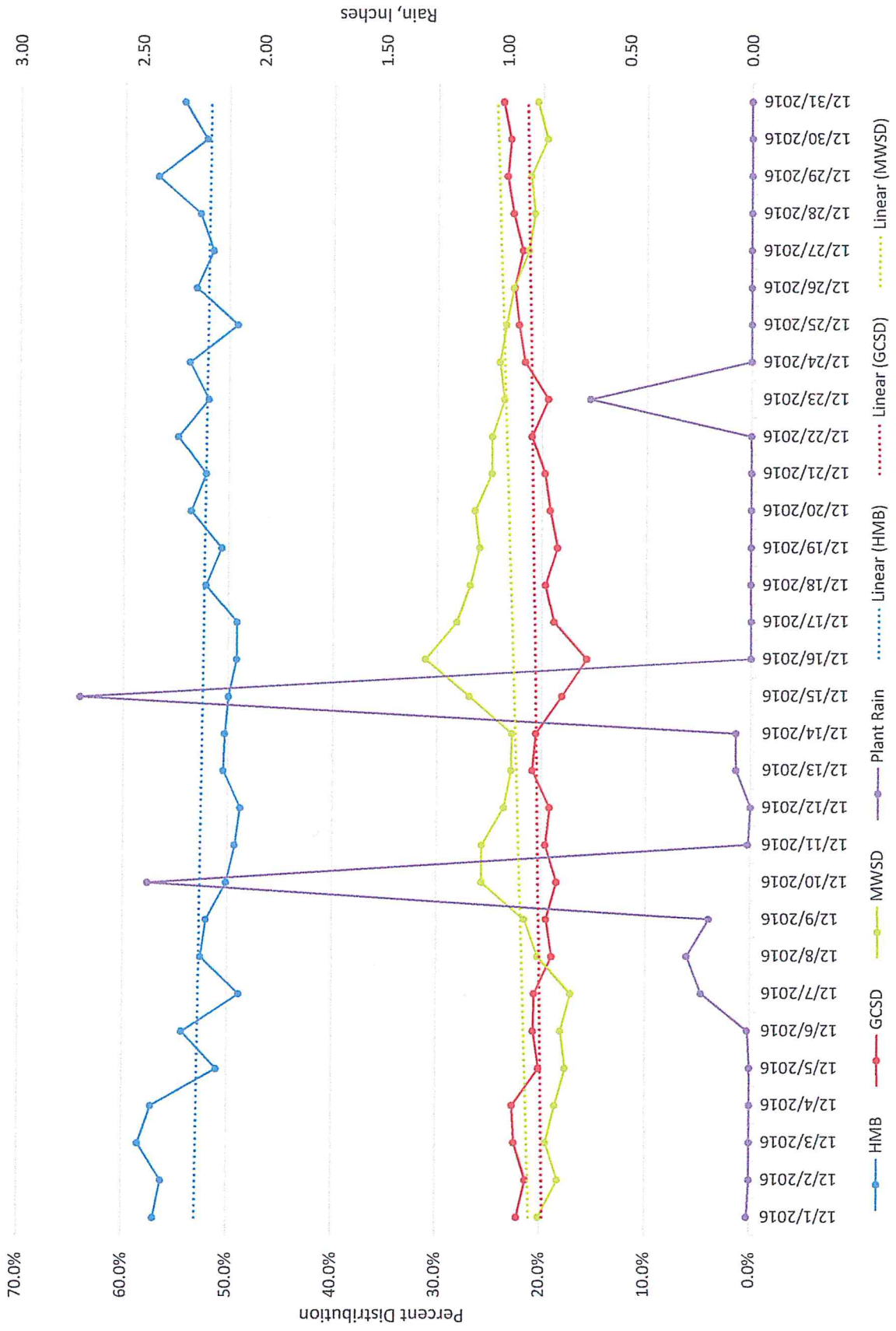
Summary

	<u>HMB</u>	<u>GCSD</u>	<u>MWSD</u>	<u>Plant</u>
Minimum	0.676	0.269	0.235	1.300
Average	0.975	0.379	0.442	1.796
Maximum	1.874	0.677	1.084	3.751
Distribution	54.3%	21.1%	24.6%	100.0%

Sewer Authority Mid-Coastside Monthly Flow Distribution Report, December 2016

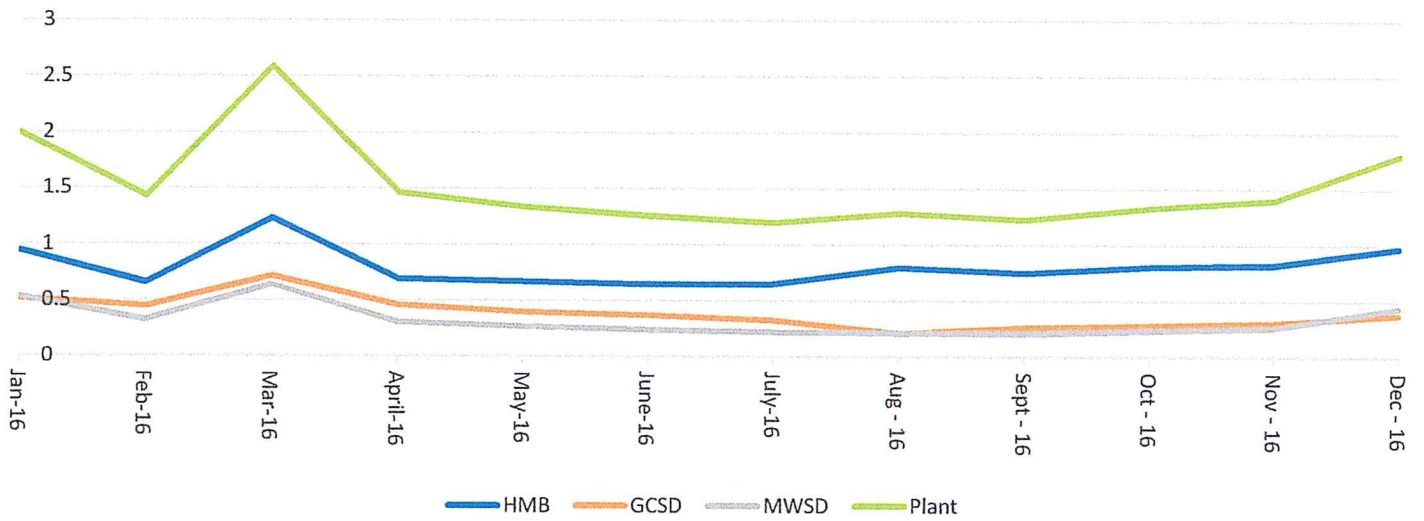


Percent Distribution December 2016

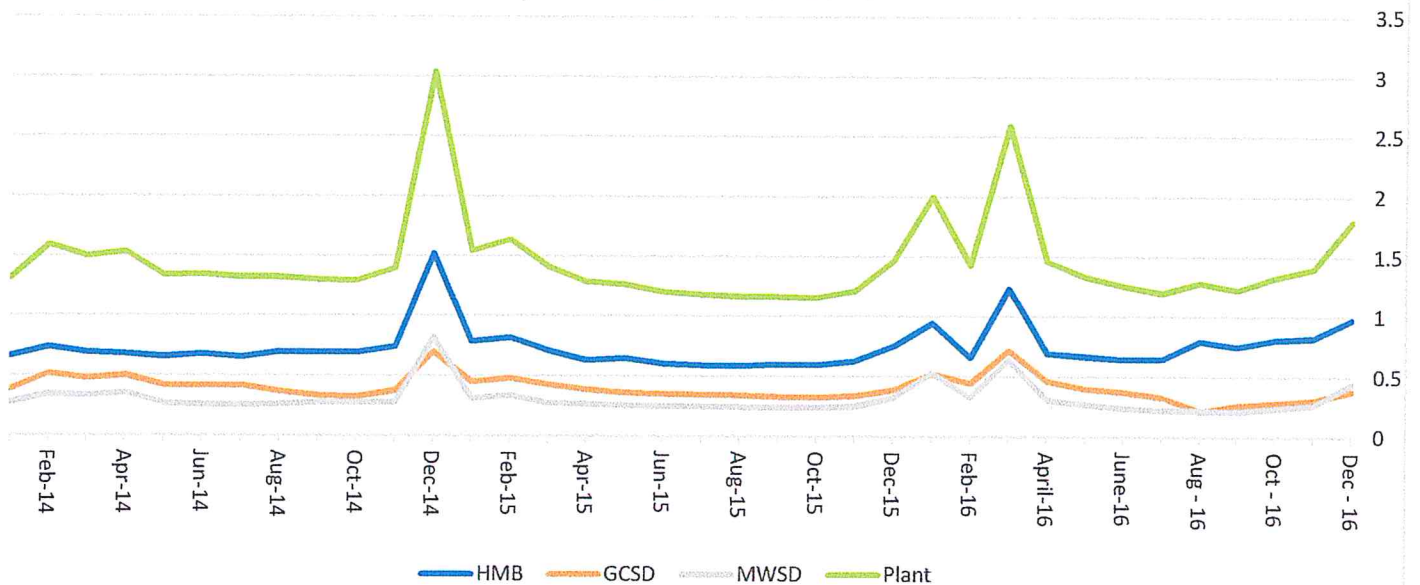


Most recent flow calibration December 2016 PS, November 2016 Plant

One Year flow Chart
January 2016 - December 2016



Three Year flow Chart
January 2014 - December 2016



Sewer Authority Mid-Coastside

Monthly Collection System Activity/SSO Distribution Report, December 2016

December 2016

Total	Number of S.S.O.'s			
	HMB	GCSD	MWSD	SAM
Roots	0	0	0	0
Grease	0	0	0	0
Mechanical	0	0	0	0
Wet Weather	0	0	0	0
Other	0	0	0	0
Total	0	0	0	0

12 Month Moving Total

Total	12 month rolling Number			
	HMB	GCSD	MWSD	SAM
Roots	2	4	4	0
Grease	0	0	0	0
Mechanical	2	0	0	2
Wet Weather	0	0	0	0
Other	0	2	1	0
Total	15	6	5	2
	13%	40%	33%	13%

Reportable SSOs

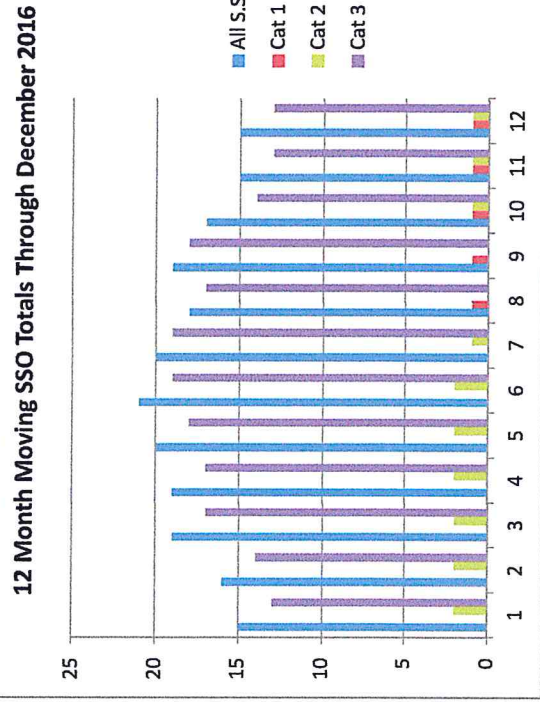
Total	Reportable Number of S.S.O.'s			
	HMB	GCSD	MWSD	SAM
December 2016	0	0	0	0
12 Month Moving Total	2	6	5	2

SSOs / Year / 100 Miles

Total	Number of S.S.O.'s / Year/100 Miles			
	HMB	GCSD	MWSD	SAM
December 2016	0.0	0.0	0.0	0.0
12 Month Moving Total	5.4	18.1	18.5	27.4
Category 1	0.0	0.0	3.7	0.0
Category 2	0.0	0.0	0.0	13.7
Category 3	5.4	18.1	14.8	13.7
Miles of Sewers	104.5	33.2	27.0	7.3
	35.4%	31.8%	25.8%	7.0%

12 Month Rolling Total Sewer Cleaning Summary

Month	HMB	GCSD	MWSD	Total Feet	Total Miles
Jan-16	6,806	16,774	10,598	34,178	6.5
Feb-16	8,952	7,014	10,830	26,796	5.1
Mar-16	12,396	17,919	11,725	42,040	8.0
Apr-16	8,468	10,816	12,705	31,989	6.1
May-16	11,530	15,123	11,652	38,305	7.3
June-16	9,762	2,161	7,367	19,290	3.7
July-16	34,037	28,984	8,192	71,213	13.5
Aug -16	31,070	5,694	16,714	53,478	10.1
Sep - 16	13,228	35,432	11,406	60,066	11.4
Oct - 16	27,226	7,389	15,283	49,898	9.5
Nov - 16	25,535	33,638	10,436	69,609	13.2
Dec - 16	33,928	19,306	10,127	63,361	12.0
Annual ft	222,938	200,250	137,035	560,223	
Annual Mi.	42.2	37.9	26.0		106.1





MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: February 2, 2017

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

SUBJECT: Review of Current Investment Portfolio

The District's Investment Policy and Guidelines requires that the Board review the status of the current investment portfolio. The following summarizes the status of these accounts:

- The District has most of its idle sewer funds deposited in the State of California's Local Agency Investment Fund (LAIF). The Monthly Average interest rate for December 2016 the rate was 0.719.
- The District has one checking account with Wells Fargo Bank for Water and Sewer Funds that is largely backed by Federal securities.

RECOMMENDATION:

District staff attempts to cash manage idle funds in LAIF as long as possible before transferring to the Wells Fargo checking accounts for disbursements.



MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: **February 2, 2017**
TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

SUBJECT: Connection Permit Applications Received

As of February 1, 2017 the following new **Sewer Connection Permit** applications were received since the last report:

Date of Application	Property Owner	Site Address	Home Size

As of February 1, 2017 the following new **Water (Private Fire Sprinkler) Connection Permit** applications were received since the last report:

Date of Application	Property Owner	Site Address	Home Size

As of February 1, 2017 the following new **Water Connection Permit** applications were received since the last report:

Date of App.	Property Owner	Site Address	Home Size	Type of Connection
1/16/2017	Dave and Rebecca Jackson	525 Buena Vista	SFD	Domestic

RECOMMENDATION:

No action is required. This is for Board information only.



MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: February 2nd, 2017

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

SUBJECT: Monthly Water Production Report

The attached two charts summarize the monthly water production for the District.

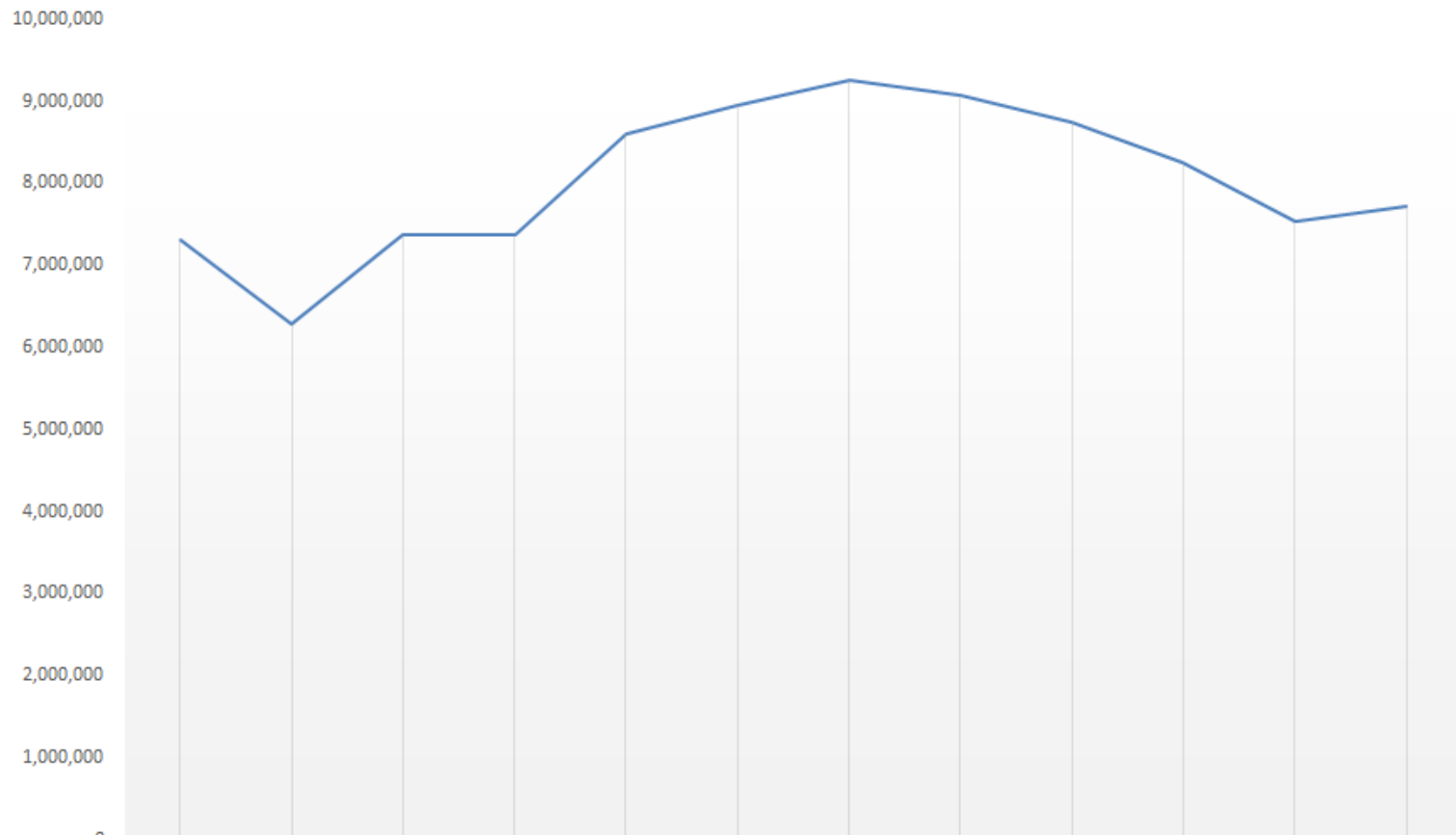
The first shows a consolidated from all sources by month. The second shows each water source the District uses, both wells and surface water. The production is shown in gallons of water produced.

RECOMMENDATION:

No action is required. These reports are provided for the Board's information only.

Attachments: 2

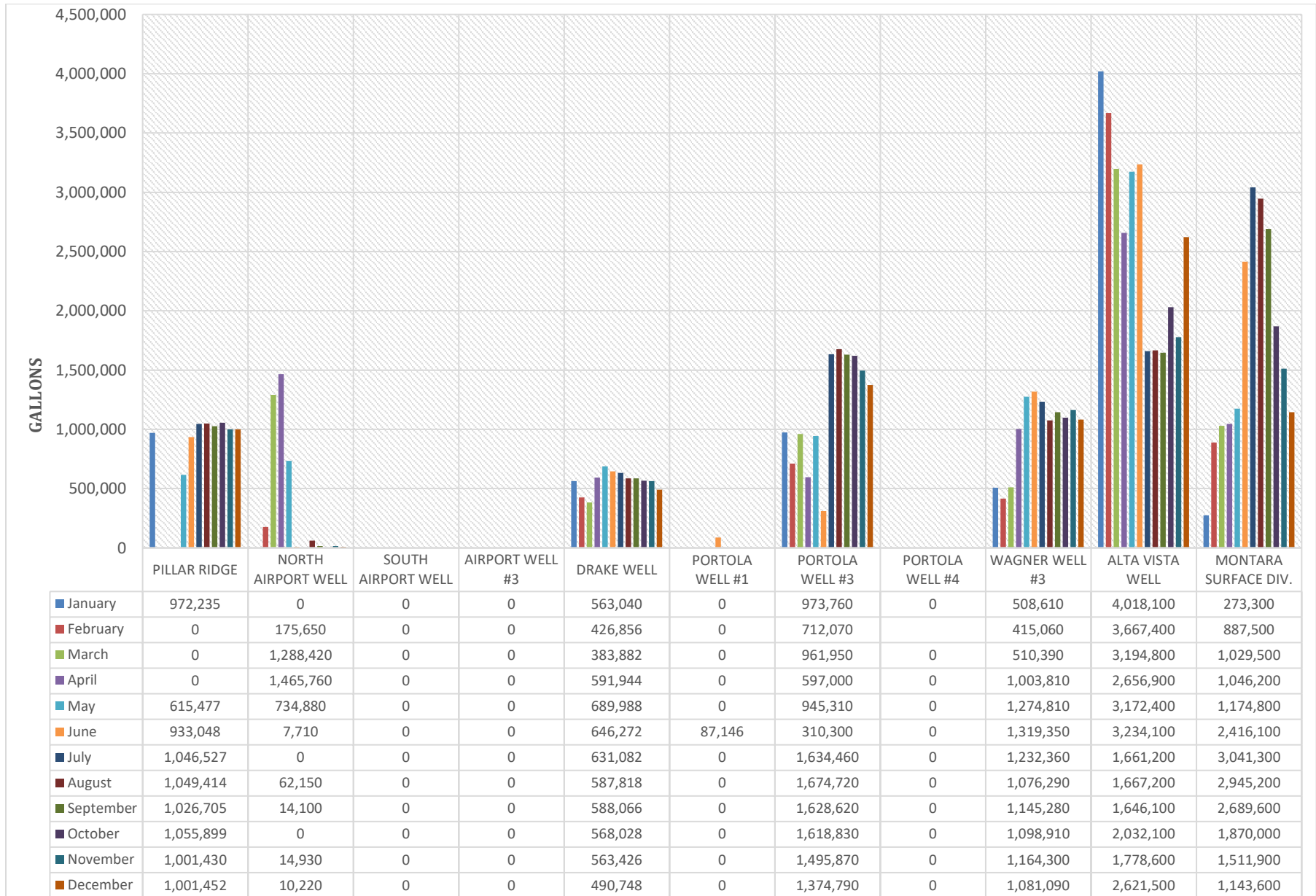
TOTAL PRODUCTION 2016 (Gallons)



	January	February	March	April	May	June	July	August	September	October	November	December
Total Production (Gallons)	7,309,045	6,284,536	7,368,942	7,361,614	8,607,665	8,954,026	9,246,929	9,062,792	8,738,471	8,243,767	7,530,456	7,723,400

MONTH

MONTHLY WATER PRODUCTION 2016





MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting of: February 2nd, 2017

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

SUBJECT: Rain Report

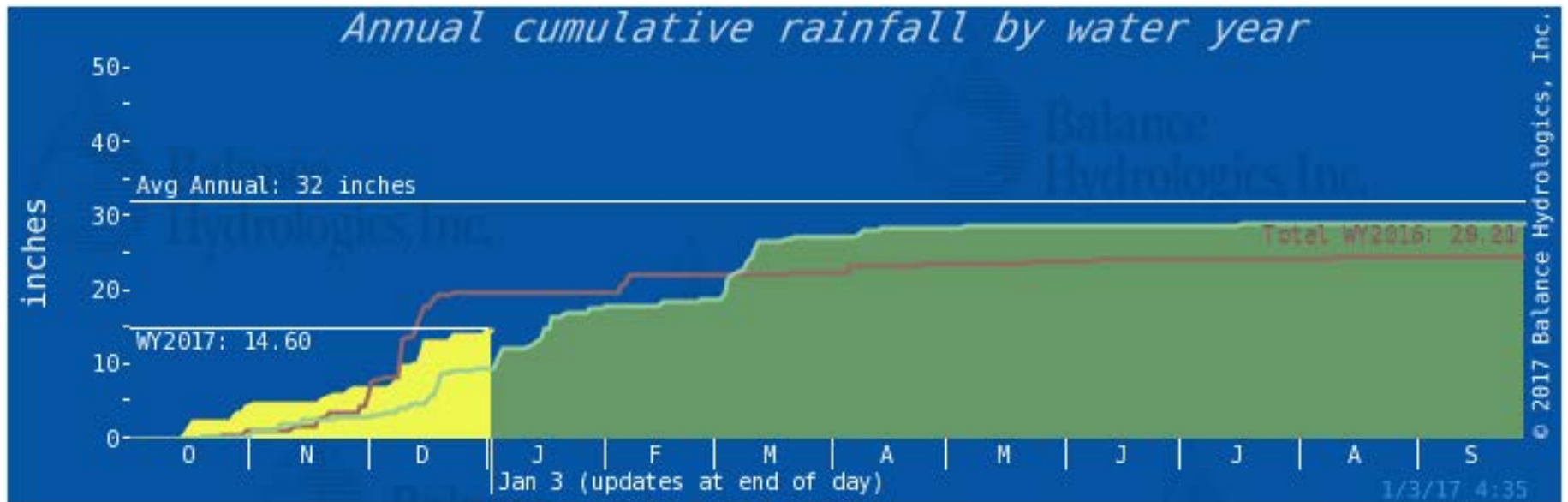
The attached chart shows the monthly rainfall at Alta Vista Treatment Plant for the current and prior water years along with seven-year average rain fall.

RECOMMENDATION:

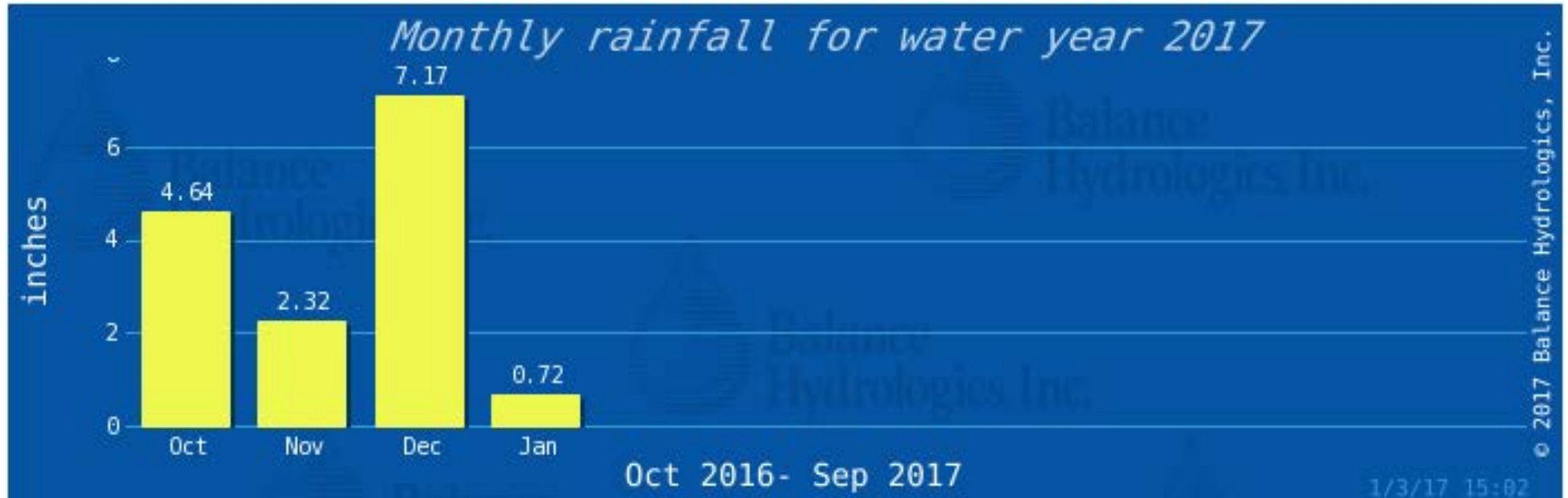
No action is required. These reports are provided for the Board's information only.

Attachments: 2

Annual Cumulative Rainfall



Monthly Rainfall Report Oct 2016 – Sept 2017





MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: February 2nd, 2017

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

A handwritten signature in black ink, appearing to be 'C Heldmaier', written in a cursive style.

SUBJECT: Monthly Solar Energy Report

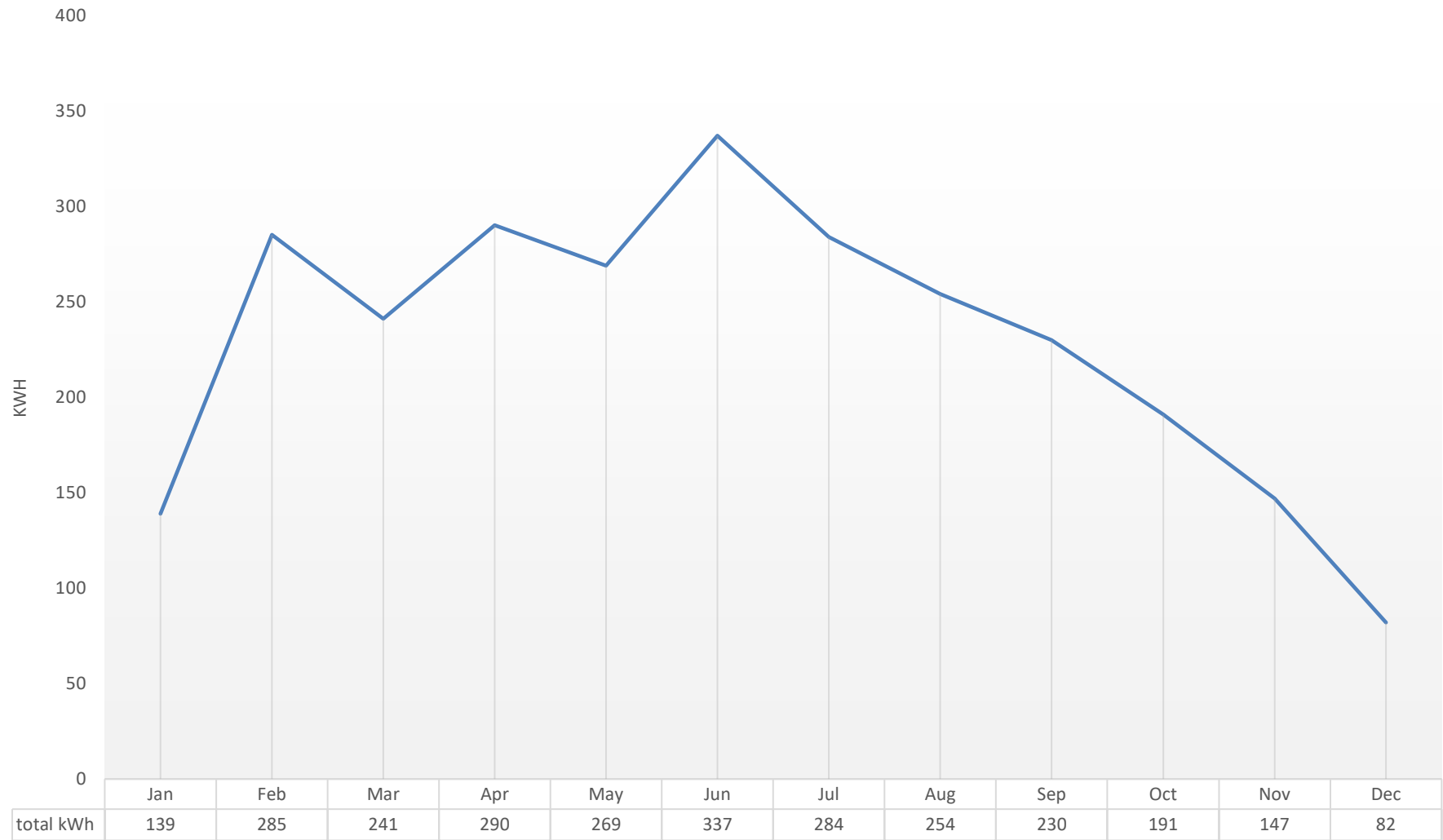
The attached chart summarizes the monthly solar production at the Alta Vista Array. Since the installation of the solar panels the District produced 38748 kWh and saved 65869 lbs of CO₂.

RECOMMENDATION:

No action is required. This information is provided for the Board's information only.

Attachments: 1

SOLAR ENERGY PRODUCED IN 2016 (kWh)





MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: **February 2, 2017**

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager 

**SUBJECT: Monthly Public Agency Retirement Service
Report for November 2016.**

The District has received the monthly PARS report for November 2016.

Contributions are calculated on a bi-weekly basis, and contributions are made on a monthly basis.

The following monthly reports are submitted as consent agenda items on a monthly basis.

RECOMMENDATION:

This is for Board information only.

Attachment

MONTARA WATER & SANITARY DISCTRICT
PARS REP Program

Monthly Account Report for the Period
11/1/2016 to 11/30/2016

Clemens Heldmaier
General Manager
Montara Water & Sanitary Disctrict
8888 Cabrillo Highway
Montara, CA 94037

Account Summary

Source	Beginning Balance as of 11/1/2016	Contributions	Earnings	Expenses	Distributions	Transfers	Ending Balance as of 11/30/2016
Employer Contribution	\$424,050.83	\$6,207.02	\$8,973.36	\$211.53	\$0.00	\$0.00	\$439,019.68
Totals	\$424,050.83	\$6,207.02	\$8,973.36	\$211.53	\$0.00	\$0.00	\$439,019.68

Investment Selection

Capital Appreciation Index PLUS

Investment Objective

The primary goal of the Capital Appreciation objective is growth of principal. The major portion of the assets are invested in equity securities and market fluctuations are expected.

Investment Return

1-Month	3-Months	1-Year	Annualized Return			Plan's Inception Date
			3-Years	5-Years	10-Years	
2.10%	0.62%	-	-	-	-	3/8/2016

Information as provided by US Bank, Trustee for PARS; Not FDIC Insured; No Bank Guarantee; May Lose Value

Past performance does not guarantee future results. Performance returns may not reflect the deduction of applicable fees, which could reduce returns. Information is deemed reliable but may be subject to change.

Investment Return: Annualized rate of return is the return on an investment over a period other than one year multiplied or divided to give a comparable one-year return.

Account balances are inclusive of Trust Administration (unless invoiced), Trustee and Investment Management fees



MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: **February 2, 2017**

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

**SUBJECT: Review and Possible Action Concerning
Scheduling MWSD Finance and Water
Connection Work-Study for March 16, 2017.**

To address questions and concerns raised at the January 19 meeting, staff suggests to hold a Work-Study with focus on Finance and Water Connections on March 16. Suggested items for the Board and Public's information include receipt of six month finance review, initiation of the FY 17/18 budget process, as well as further information and discussion about current water connection process.

RECOMMENDATION:

Schedule a MWSD Finance and Water Connection Work-Study for March 16, 2017.



MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: **February 2, 2017**

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

SUBJECT: Review and Possible Action Concerning Declaration of Harte Street Generator as Surplus Property and Authorize Disposal.

The Board authorized the purchase of a new generator for the Harte and Date Street Pump Station in 2016. It has been purchased and is ready for installation. The wheels on the old generator have failed and it may not be easily transportable. Removal might require loading it on a truck. Therefore we'd like to schedule removal and disposal at the same time.

RECOMMENDATION:

Adopt Resolution No. _____ Resolution of the Montara Water and Sanitary District Declaring Harte Street Generator as Surplus and Authorizing its Sale.

RESOLUTION NO. _____

RESOLUTION OF THE MONTARA WATER AND SANITARY DISTRICT
DECLARING HARTE STREET GENERATOR AS SURPLUS AND
AUTHORIZING ITS SALE.

WHEREAS, the District has purchased the equipment listed on the attached
Exhibit "A"; and

WHEREAS, the equipment on Exhibit "A" is surplus to the needs of the District;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF THE MONTARA
WATER AND SANITARY DISTRICT, A PUBLIC AGENCY IN THE COUNTY OF
SAN MATEO, CALIFORNIA, AS FOLLOWS:

The equipment described on the attached Exhibit "A" is declared surplus to
the needs of the District. Staff is instructed to sell the item for the best
available price or properly dispose of items that it is unable to sell.

President, Montara Water and Sanitary District

COUNTERSIGNED:

Secretary, Montara Water and Sanitary District

* * * * *

I HEREBY CERTIFY that the foregoing Resolution No. _____ was duly
and regularly adopted and passed by the Board of the Montara Water and
Sanitary District, San Mateo County, California, at a meeting thereof held on the
2nd day of February 2017, by the following vote:

AYES, Directors:

NOES, Directors:

ABSENT, Directors:

Secretary, Montara Water and Sanitary District

1/27/17

ATTACHMENT A

MWSD Harte and Date Street Generator:

GENERAC CORP.

Model No. 94A05593S Date 12/01/94

Type SD 030-D363.OD18CBYYC



MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: **February 2, 2017**

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager

SUBJECT: Review of MWSD's Receipt of Association of California Water Agencies Joint Powers Authority President's Special Recognition Award.

The District received its second Special Recognition Award from ACWA JPIA. On January 1, 2013 the District changed Workers Compensation Insurance Providers to the Association of California Water Agencies Joint Power Insurance Authority (ACWA/JPIA). At the time the District's Workers Comp Rate was due to claims made in prior years. Since then District staff has worked closely with ACWA/JPIA staff to prevent further losses. The result was that the Experience Modification Factor dropped from 2.12 to currently 1.28. In 2012 the District spent \$62,400 on Workers Compensation Insurance. The current 2017 payments will amount to \$23,533.

At the ACWA Fall Conference the JPIA recognized the District's efforts and presented the District with the "President's Special Recognition Award".

RECOMMENDATION:

This is for Board information only.

Attachments

President's Special Recognition Award

The President of the
ACWA JPIA
hereby gives Special Recognition to

Montara Water and Sanitary District

for achieving a low ratio of "Paid Claims and Case Reserves" to "Deposit Premiums"
in the Workers' Compensation Program for the period 07/01/2012 - 06/30/2015
announced at the Board of Directors' Meeting in Anaheim.

E. G. "Jerry" Gladbach

E. G. "Jerry" Gladbach, President



November 28, 2016



MONTARA WATER AND SANITARY DISTRICT AGENDA

For Board Meeting of: **February 2, 2017**

TO: BOARD OF DIRECTORS

FROM: PERSONNEL COMMITTEE

SUBJECT: Employment Contract – General Manager

The General Manager's current employment agreement with the District expires in 2017. Following the annual performance review with Mr. Heldmaier, the Committee recommends approval of a new agreement for a six (6) – year term commencing January 1, 2017.

RECOMMENDATION: Adopt Resolution Approving and Authorizing Execution of Employment Contract for the Position of General Manager

PERSONNEL COMMITTEE
Jim Harvey
Dwight Wilson

RESOLUTION NO.

**RESOLUTION APPROVING AND AUTHORIZING EXECUTION
OF EMPLOYMENT CONTRACT FOR THE POSITION OF
GENERAL MANAGER**

(Clemens H. Heldmaier)

WHEREAS, Clemens H. Heldmaier was initially appointed and employed as the General Manager of the Montara Water and Sanitary District by agreement dated as of July 1, 2008, which employment was continued under agreement dated as of July 1, 2011 (collectively, "Prior Agreements"); and

WHEREAS, this Board desires to continue Mr. Heldmaier's employment in accordance with the terms and conditions of the hereinafter-referenced agreement Agreement, which supersedes the Prior Agreements;

**NOW THEREFORE BE IT RESOLVED BY THE BOARD OF THE
MONTARA WATER AND SANITARY DISTRICT, SAN MATEO COUNTY,
CALIFORNIA**, as follows:

That certain agreement by and between the Montara Water and Sanitary District, a public entity, and Clemens H. Heldmaier, entitled "Employment Contract – General Manager," dated as of January 1, 2017, a copy of which agreement is on file in the District Administrative Offices, to which copy reference is hereby made for the full particulars thereof, is hereby approved, and the President and Secretary of this Board are hereby authorized and directed to sign, and to countersign, respectively, said agreement for and on behalf of the Montara Water Sanitary District.

President, Montara Water and Sanitary
District

Countersigned:

Secretary

RESOLUTION NO.

**RESOLUTION APPROVING AND AUTHORIZING EXECUTION
OF EMPLOYMENT CONTRACT FOR THE POSITION OF
GENERAL MANAGER**

(Clemens H. Heldmaier)

* * * * *

I hereby certify that the foregoing resolution was duly and regularly adopted and passed by the Board of the Montara Water and Sanitary District, San Mateo County, California, at a meeting thereof held on the 2nd day of February 2017, by the following vote:

AYES, and in favor thereof, Directors:

NOES, Directors:

ABSENT, Directors:


Secretary



MONTARA WATER AND SANITARY DISTRICT AGENDA

For Meeting Of: **February, 2017**

TO: BOARD OF DIRECTORS

FROM: Clemens Heldmaier, General Manager 

**SUBJECT: Review and Possible Action Concerning
Cancellation of Next Regular Scheduled
Meetings, February 16, 2017, and March 2, 2017.**

At this time no urgent items require holding the next meetings.

RECOMMENDATION:

Cancel the regular scheduled meeting, February 16, 2017, and March 2, 2017.