



CITY OF MORRO BAY PUBLIC WORKS ADVISORY BOARD AGENDA

*The City of Morro Bay is dedicated to the preservation and enhancement of the quality of life.
The City shall be committed to this purpose and will provide a level of municipal service and
safety consistent with and responsive to the needs of the public.*

**Wednesday, January 18, 2017
Veterans Memorial Building - 5:30 P.M.
209 Surf Street, Morro Bay, CA**

Christopher Parker
John Erwin

Steven Shively, Vice-Chair
David Sozinho
Ric Deschler

Janith Goldman
Stewart Skiff

ESTABLISH QUORUM AND CALL TO ORDER
MOMENT OF SILENCE/PLEDGE OF ALLEGIANCE
ANNOUNCEMENTS
PRESENTATIONS – None

PUBLIC COMMENT PERIOD

Members of the audience wishing to address the Board on City business matters not on the agenda may do so at this time. To increase the effectiveness of the Public Comment Period, the following rules shall be followed:

- When recognized by the Chair, please come forward to the podium and state your name and city of residence for the record.
- Comments are to be limited to three minutes.
- All remarks shall be addressed to the Board, as a whole, and not to any individual member thereof.
- The Board respectfully requests that you refrain from making slanderous, profane or personal remarks against any elected official, commission and/or staff.
- Please refrain from public displays or outbursts such as unsolicited applause, comments or cheering.
- Any disruptive activities that substantially interfere with the ability of the Board to carry out its meeting will not be permitted and offenders will be requested to leave the meeting.
- Your participation in Board meetings is welcome and your courtesy will be appreciated.

A. CONSENT CALENDAR

- A-1 Approval of Minutes of November 11, 2016 Meeting
Recommendation: Approve minutes.

B. BUSINESS ITEMS

- B-1 Directors Report – Informational summary of current Public Works Activities
Recommendation: Information item, no action needed.

B-2 City Goals and Objectives

Recommendation: Review FY 16/17 PWAB Work Program, the current FY16/17 goals and objectives and provide recommendations to City Council on future goals and objectives.

C. POTENTIAL FUTURE AGENDA ITEMS

- Memorial Bench, Tree, and Bike Rack Program
- Review of Sewer Rates
- Adopt a Street/Park

D. ADJOURNMENT

Adjourn to the Public Works Advisory Board meeting at the Veteran's Memorial Building, 209 Surf Street, on Wednesday, February 15, 2017 at 5:30 p.m.

This agenda is subject to amendment up to 72 hours prior to the date and time set for the meeting. Please refer to the agenda posted at the Public Works Department, 955 Shasta Avenue, for any revisions or call the department at 772-6263 for further information.

Materials related to an item on this Agenda are available for public inspection during normal business hours in the Public Works Department at 955 Shasta, City Hall at 595 Harbor, Mill's/ASAP at 495 Morro Bay Boulevard, or the Morro Bay Library at 695 Harbor, Morro Bay, CA 93442. Materials related to an item on this agenda submitted to the Board after publication of the agenda packet are available for inspection at the Public Works Department during normal business hours or at the scheduled meeting.

This agenda may be found on the Internet at: www.morrobayca.gov/pwab or you can subscribe to Notify Me for email notification when the Agenda is posted on the City's website. To subscribe, go to www.morrobayca.gov/notifyme and follow the instructions.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the Public Works Department at (805) 772-6263. Notification 24 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

MINUTES - PUBLIC WORKS ADVISORY BOARD (PWAB)
REGULAR MEETING – NOVEMBER 16, 2016
VETERAN'S MEMORIAL HALL – 5:30P.M.

AGENDA ITEM: <u>A-1</u>
DATE: <u>January 18, 2017</u>
ACTION: _____

PRESENT:	Steve Shively Ric Deschler Janith Goldman Chris Parker Stewart Skiff David Sozinho	Vice-Chair Board Member Board Member Board Member Board Member Board Member
ABSENT:	Marlys McPherson	Chair
STAFF:	Rob Livick Scot Graham Gina Gregory	Public Works Director Community Development Director Office Assistant

ESTABLISH QUORUM, CALL TO ORDER AND MOMENT OF SILENCE

The meeting was called to order at 5:30 p.m. A quorum was present and there was a moment of silence.

ANNOUNCEMENTS

<https://youtu.be/4F6fy5TJTYA?t=1m9s>

David Sozinho stated the Morro Bay Surfboard and Art Festival is coming to an end. The surfboards on display throughout Morro Bay. The art sale (including the surfboards and other pieces of art by participating artists) will be going on all day long on December 3rd at the Inn at Morro Bay. The benefits will go towards Morro Bay in Bloom as well as Project Surf Camp.

Jan Goldman announced that the Morro Bay Lighted Boat Parade will now be held on December 10th.

Ric Deschler announced that there will be potentially four (4) upcoming vacancies on the Public Works Advisory Board and that the last day to submit applications is Friday December 2nd at 5:00p.m.

PRESENTATIONS – None

PUBLIC COMMENT PERIOD

<https://youtu.be/4F6fy5TJTYA?t=3m8s>

The public comment period was opened.

Nancy Castle announced that there will be a community Thanksgiving Dinner on Thursday November 24th. Everyone is invited to join them from 1 p.m. – 3 p.m. Meals are available for delivery also. Call the chamber to order your meal to go and the police officers will deliver. We are looking for volunteers also to help clean up.

The public comment period was closed.

A. CONSENT AGENDA

<https://youtu.be/4F6fy5TJTYA?t=5m22s>

A-1 APPROVAL OF MINUTES OF October 19, 2016 MEETING

MOTION: Stewart Skiff moved to approve Items A-1. The motion was seconded by David Sozinho and carried unanimously 6-0.

B. BUSINESS ITEMS

B-1 DIRECTOR'S REPORT – INFORMATIONAL SUMMARY OF CURRENT PUBLIC WORKS ACTIVITIES
<https://youtu.be/4F6fy5TJTYA?t=5m52s>

Rob Livick presented the staff report.

The Board asked questions of staff and commented on the Director's Report.

B-2 CENTENNIAL STAIRCASE CONCEPT PLAN
<https://youtu.be/4F6fy5TJTYA?t=29m34s>

Scot Graham presented the Centennial Staircase Concept Plan.

The Board asked questions of Scott and commented on the Centennial Staircase Concept Plan.

The public period was opened, seeing none the public comment period was closed.

Discussion, comments and questions continued amongst Board members and staff.

ADJOURNMENT

The meeting adjourned at 7:01 P.M. to a regular Public Works Advisory Board meeting to be held on Wednesday, January 18, 2017 at 5:30 p.m. at the Veteran's Memorial Building, 209 Surf Street.



AGENDA NO: B-1

MEETING DATE: January 18, 2017

Staff Report

TO: Public Works Advisory Board **DATE:** January 5, 2017
FROM: Rob Livick, PE/PLS – Public Works Director/City Engineer
SUBJECT: Director’s Report / Information Items

Please contact the individual staff members prior to the meeting, if possible, for more detailed information.

Notify Me: Sign up for Notify Me on the City’s Website www.morrobayca.gov/notifyme for notification of Council, Board’s and Commission’s agendas and minutes.

Service Requests: The City has a feature to the City’s website, Service Requests www.morrobayca.gov/905/Service-Requests, or the mobile App “My Morro Bay” (Available on both Android and IOS operating systems) where citizens can report a concern to the City for predetermined issues without the need to phone the City during business hours (for example: reporting a pothole).

Staff can also add Service Requests for someone over the phone or in the office if they do not have access to a computer. Each category in Service Requests is assigned to the appropriate staff member to handle so citizens don’t have to figure out what department to contact for an issue they need to report on.

BICYCLE/ALTERNATIVE TRANSPORTATION

Staff Contact: Rob Livick

Amgen announced that Morro Bay will be the finish for Stage 3 for the Tour of California. See press release <http://www.morro-bay.ca.us/DocumentCenter/View/10147>.

CONSOLIDATED MAINTENANCE

Staff Contact: Mike Wilcox

The photovoltaic systems on 6 City owned buildings are 100% complete and operational. Staff is currently working with PG&E on an application to bundle all the PV systems into the Renewable Energy Self-Generation Bill Credit Transfer (RES-BCT) program.

The RES-BCT program (formerly AB 2466) was established by the legislature effective January 1, 2009, and is codified in Section 2830 of the Public Utilities Code. It allows a Local Government with one or more eligible renewable generating facilities to export energy to the grid and receive generation credits to benefitting accounts of the same Local Government (AB 1031 expanded applicability to universities). AB 512, signed into law in 2011 and effective on January 1, 2012, further modified this program to increase the generator size limit to 5 MW per generation account.

Staff has completed all the Hot Mix Asphalt (HMA) pothole repairs required to prepare for this year’s Pavement Management Plan (PMP) pavement overlays. Staff is installing standardized directional signage for parking lots along the Embarcadero and all public restrooms within the City.

If you have maintenance requests, please call 772-6261, use the smart phone app, myMorroBay, available for android and iPhone, or use the City's Service Requests online system on our website www.morrobayca.gov/905/Service-Requests. Upon receipt, the electronic requests will be reviewed and assigned to the appropriate staff for action. In the future, the City will be upgrading to a fully integrated maintenance work order system that will allow you to view the progress of your requests.

SIDEWALK REPAIR AND INSTALLATION

Staff Contact: Rick Sauerwein

2016 CDBG ADA Accessibility project: The County Board of Supervisors approved reallocation of prior year funding to provide up to \$236,418 in additional funding to fill gaps in our existing sidewalk network to improve ADA Accessibility. Staff has completed the new sub-recipient agreement and forwarded to the County for final signature so that new delivery orders can be issued for both the new 2016CDBG funding as well as this reallocation. A new IDIQ contract Sidewalk contract is being prepared for bid.

The City's contractor has completed sidewalk repairs to address lifted panels of existing sidewalk.

STORM WATER

Staff Contact: Damaris Hanson

The rainy season is upon us and this means that City Maintenance crews are making sure our storm drains are clear and are cleaning all high priority drains. Please remember that debris such as leaves and twigs can prevent water from flowing from gutters into storm drains and cause localized flooding. To prevent clogging of these drains, properly dispose of yard waste in green waste bins. The City would also like to remind citizens, if you see a clogged storm drain, and if it is safe, you may attempt to remove the debris with a garden rake. If there is a significant blockage, contact the Public Works Department, 805-772-6261.

STREETS

Staff contact: Rick Sauerwein
Jarrod Whelan

City Council has approved award of a new Street Preservation Indefinite Quantity, Indefinite Delivery Contract ("IDIQ") to Pavement Coatings Company of Woodland, CA. This contract will have an initial 2-year term with the option to extend the contract for two more 2-year terms. This will provide staff the ability to award new work as soon as additional funding becomes available. A final list of the street work is posted on the City's Website. Work is expected to begin this month.

The City Council has directed staff to develop possible funding options indicating how much could be raised, strengths, challenges and implementation issues. This will return to the new Council after the first of the year and will be addressed in next year's budget discussions. Options that may be considered include:

- Allocating Excess (>10%) Emergency Reserve Funds to pay for immediate street improvements
- Dedicating excess Measure Q funding after the Fire Station 53 debt is paid off
- Allocating excess yearend budget surpluses to a dedicated Street Improvement Fund
- Obtaining voter approval for a dedicated citywide street tax if Measure J fails
- Establishing Parking Fees on Embarcadero, Downtown & at Morro Rock for dedicated Street Improvement Fund
- Establish a citywide Parcel Tax dedicated to Street Improvement Fund
- Establishing Neighborhood Street Improvement Districts, and/or

- Allocating a portion of Transient Occupancy Taxes to a dedicated Street Improvement Fund

TRANSIT

Staff contact: Janeen Burlingame

The annual audit for the FY 15/16 Transit Funds was completed in December 2016 and submitted to the State of California and San Luis Obispo Governments. The City's transit services achieved a 12.45% farebox ratio and was in compliance with the State's 10% minimum farebox ratio requirement.

TREES – Urban Forest Management

Staff contact: Damaris Hanson
Mike Wilcox

Staff has contracted tree trimming in the downtown area to two contractors. These contractors will trim approximately 93 trees. The Landmark trees are also being evaluated/timed at this time as well.

A reminder that bird nesting season will start on February 1st and run through June. During nesting season, no public right of way trees will be trimmed or removed unless in the case of an emergency, and private trees cannot be removed during nesting season. On January 17, 2017 PG&E's contractor Davey tree company will be removing a large Eucalyptus tree at the corner of Coral and San Jacinto.

Staff is preparing to coordinate another tree planting in the upcoming months. Planting will be conducted in the open tree wells in the downtown areas.

WATER – Chorro Stream Gauge

Staff Contact: Rick Sauerwein
Pamela Newman

No change this month. Staff is still working with the Assistant City Attorney to address Appropriated Right issues identified during our meeting with State Water Resources Control Board. The City's consultant, WSC, has responded to National Marine Fisheries Service (NMFS) concerns and is awaiting a response. Mitigated Negative Declaration has been completed, but the City's Planning Commission and County Permitting cannot proceed further until we can respond to NMFS concerns regarding fish passage and obtain property owner permission to install gage on San Luis Coastal Resource Conservation District property. This requires the approval from the USDA/NRCS who hold a conservation easement.

WATER – Nutmeg Tank Replacement

Staff Contact: Rick Sauerwein
Jarrod Whelan

No change in status: Mitigated Negative Declaration has been revised but County Permitting is on hold until a new RFP is drafted.

WATER – Operations

Staff Contact: Rob Livick
Jamie James
Damaris Hanson

On Friday, November 4, 2016 the California Coastal Commission approved the City's Coastal Development Permit application for continued use of the seawater wells and discharge. This permit is for non-routine emergency use of the Desalination facility. The City is working towards obtaining a permit for the permanent use of the seawater wells and Desalination facility with the California Coastal Commission.

During the month of December, the City's five-person field crew in water performed 536 work requests. These include but not limited to water samples, USA requests, exercising valves, resetting meter boxes, water turn on, meter re-reads and turn off notices.

The water crews has been working with Mike Nunley & Associates and GSI Water on a sampling plan to testing the City's seawater wells to begin the process of addressing the issue that causes rapid fouling of the filters and the RO membranes.

WATER – Water Conservation

Staff Contact: Damaris Hanson

Water conservation has been holding strong in Morro Bay!! Great job everyone! In December overall water consumption was down 34% compared to water usage for December in 2013. Keep up the good work! The combined average percent reduction for 2016 is 21% below the 2013 consumption.

Water conservation rebates available; Cash for grass, rain barrel, irrigation retrofit, SMART irrigation controller, toilet retrofit and Energy star washing machine. State rebates now available for removing grass (up to \$2 per sq. ft.) and replacing a toilet that flushed more than 1.6 gallons per flush (\$100). Go to www.saveourwaterrebates.com.

WASTEWATER – Collections

Staff Contact: Joe Mueller
John Gunderlock
Dave Zevely
Jarrod Whelan

The City's four-person field crew in wastewater collections cleaned about 4000 feet of sewer main, collected flowmeter data, inspected newly-installed lateral connections to City mains, performed lift station maintenance, assisted WWTP Staff, conducted 8 source control inspections, and completed 4 point repairs to sewer mainlines (2 on Sandalwood, 1 on Koa, and 1 on Sunset).

In December Staff responded to 1 private lateral sewage discharge and no City mainline overflows.

In 2016 Collections Staff cleaned a total of 181,851 feet (about 35 miles) of sewer mains throughout the City.

WASTEWATER – Operations and Maintenance

Staff Contact: Joe Mueller
John Gunderlock
Jarrod Whelan

Flow for the month of December averaged 0.893 Million Gallons per Day (MGD) and totaled 23.5 MG. On January 4th, the effluent flowmeter at the plant pegged at 6.9 MGD for an extended period of time due to a significant rain event.

Purchase and Installation of New Distributor Arms and Biofilter Improvement Project
Staff will continue to work with City Public Works Engineering staff and MKN for the purchase and installation of new distributor arms on biofilter #2. There will be a long lead time of sixteen to twenty weeks for receipt of the equipment once a purchase order is issued, so the funding for this project was rolled over and included in the FY16/17 budget.

Environmental Laboratory Accreditation Program was notified that John Gunderlock is assuming Lab Director effective 12.12.16.

SWRCB was notified John Gunderlock is now the City of Morro Bay/Cayucos WWTP Chief Plant Operator.

Richard Fernandez SWRCB Grade III Operator started with the City of Morro Bay/Cayucos WWTP as a Wastewater Operator Leadworker.

Joe Mueller, the new Utilities Division Manager started with the City of Morro Bay. Joe manages drinking water, wastewater, storm sewer, and wastewater collections.

In December, Bruce Keogh SWRCB Grade IV Operator/CPO, George Helms SWRCB Grade II Operator, David Beirman SWRCB Grade II Operator, and Leslie Girvin SWRCB Grade III Operator/Supervisor retired from the City of Morro Bay/Cayucos WWTP.

The following reports were submitted to the CIWQS electronic reporting system:

- The November 2016 Monthly Monitoring Data (eSMR)
- The Discharge Monitoring Forms (eDMR) for November 2016
- The 4th Quarter Water Column Report for 2016

WASTEWATER – NEW WRF

Staff Contact: Rob Livick

The draft of the Facility Master Plan was reviewed by the City Council at their December 12, 2016 meeting. The Certification of the EIR to be complete by the December 2017. That will give the City 2-1/2 years to complete the design build phase of the project.

Immediate next steps include:

- Annual Contract Amendment for MKN Associates for 2017 activities
- Review of Sewer Rates based on the Current Project Costs
- Prop 218 process for adjustment of Sewer Rates

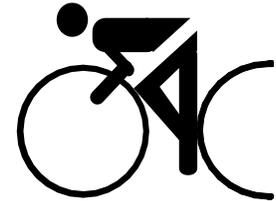
Additional and updated information on the WRF project is available on the City's website (<http://morrobaywrf.com/>).

Schedule

Still on track for May 2021 delivery.

Attachments

1. Citizen Bike Committee Minutes
2. Detailed Maintenance Reports for Consolidated Maintenance, Water and Wastewater
3. WRF Project Executive Summary and Fact Sheet



Morro Bay Citizens Bike Committee

Recreation and Parks Department
595 Harbor Street, Morro Bay CA 93442

Dedicated to the advocacy and creation of an efficient interconnected network of safe, scenic bikeways and community paths in the Morro Bay area.

“You can’t ride your bike and not smile.”

December 9, 2016

To: Recreation and Parks Commission
Recreation and Parks Department
Public Works Department
Public Works Advisory Board

Citizens Bike Committee met December 7, 2016.

Committee welcomed Mr Kirk Carmichael, Recreation Director for the City of Morro Bay.

City wants to provide a safe way for westbound bicyclists on San Jacinto to approach Main Street from Alder and to cross Highway 1 without riding illegally against traffic or on the sidewalk. Mr Livick has requested bids to paint green bike lanes on both sides of San Jacinto from Cedar to Main and to convert the right turn pocket between Alder and Main to a protected bike lane with a bike box in the crosswalk. The project is funded, contract awarded and work is scheduled to begin in January.

Mr Livick wants to place *Share the Road* signs on Atascadero Road from Morro Creek Bridge to the high school and to schedule centerline, fogline and sharrow striping. This project has been scheduled for many months and has not yet happened

Barry Rands recently told the Committee that SLO Bike Club bought a Peak bike rack and donated it to the City to install at Vets Hall. Mr Buckingham is looking into this to find out why it has not been installed.

SLOCOG included in their Active Transportation Program grant requests this year a gap closure project on Atascadero Road from Morro Creek to the high school to widen and resurface the road, paint bike lanes and place signs. The request was not successful.

SLOCOG Board approved last week an Active Transportation Partnership Program designed to make SLO County more competitive for grants.

Committee reviewed the 2016 Unmet Bicycle/Pedestrian Needs list and made adjustments. Chair Esau presented a list of additional needs that people have

submitted to him. Committee will send the list to Mr Carmichael for RPC review and recommendations to forward to Council during Community Goalsetting workshops for FY2017/18. The list is attached to this report.

The Measure J final vote narrowly failed. SLOCOG Board will review the project queue and funding shortfall in February.

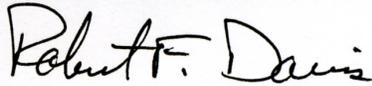
Chevron has refused to sign Consent of Landowner to allow County Parks to go to Coastal Commission for a Coastal Development Permit for the California Coastal Trail extension from Morro Bay to Cayucos. Parks is continuing NEPA clearance for the project.

Chair Esau announced that Amgen Tour Stage 3 will finish in Morro Bay next May. Mr Carmichael will meet with Amgen folks in January and will report back to CBC. Dave Schultz may put on some recreational bike rides in conjunction with the Tour.

Mr Carmichael will present the CBC Quarterly Report to RPC at their January meeting.

There being no further business, Chair Esau adjourned the meeting at 5:56 pm.
Next Committee meeting will be February 1, 2017.

Respectfully submitted,



Robert Fuller Davis
Secretary

Unmet Bicycle/Pedestrian Needs 2017

Morro Bay's Citizens Bike Committee has compiled a list of Bicycle/Pedestrian Improvement Requests for 2017 for submittal to City Council.

1. Provide more bike parking facilities at popular destinations – all public buildings, commuter destinations, business clusters.
2. Provide traffic calming solutions on San Jacinto from Ironwood to Main Street to slow down motor vehicles. This is a main route to school for Del Mar students.
3. Ensure that crosswalks around Del Mar Elementary School are repainted frequently so that they are visible to motorists.
4. Paint the bike lanes on San Jacinto from Cedar to Greenwood and on Greenwood from San Jacinto to Sequoia as a Safe Route to School.
5. Paint green bike lanes on both sides of San Jacinto from Cedar to Main and convert the right turn pocket between Alder and Main to a protected bike lane with a bike box in the crosswalk.
6. Paint Class II bike lanes, sharrows & signs on Atascadero Road from Morro Creek to the high school to connect to existing Class II and Class I bikeways.
7. Extend the Harborwalk/CCT north from Morro Creek along the west boundary of the high school to the south end of the Morro Bay-Cayucos Connector.
8. Paint a crosswalk on South Bay at the intersection with Quintana so that bicyclists can safely cross as pedestrians during periods of heavy motor traffic.

9. Re-engineer the intersection of Quintana with Main Street in Morro Bay to provide safe crossing for northbound cyclists from Main to the bike trail.
10. Paint a green northbound bike lane on Main Street approaching Quintana where it begins the transition from the curb across the right turn motor vehicle lane.
11. Paint a green northbound bike lane from Lemos to the freeway undercrossing.
12. Restripe North Main Street from Atascadero Road to Yerba Buena to provide:
 - a. a wider bike lane for southbound bicyclists or
 - b. a separated Class 4 bikeway that accommodates users in both directions on one side of the street.
13. Raise the Class I multi-use trail beside PG&E property above the flood line or improve stormwater flow across the trail.
14. Provide safe crossing for bicyclists from the Embarcadero bike lanes to the Harborwalk in the area of the power plant entrance.
15. Improve visibility for motorists and bicyclists at the Harborwalk crossing of Coleman Drive near Coleman Park.
16. Paint sharrows on Embarcadero Drive and Morro Bay Blvd.
17. Create a bike corral at the intersection of Morro Bay Blvd and Main Street.
18. Complete the California Coastal Trail extension between Morro Bay and Cayucos.
19. Complete the Chorro Valley Bike/Ped Trail.
20. Extend the Harborwalk/CCT south along the Embarcadero through Tidelands Park to Morro Bay State Park and through the park to South Bay Boulevard.
21. Refresh bike lane painting as needed throughout the city.
22. On State Park Road, Upper and Lower, and on Black Hill Road, place sharrows and signs stating that Bicyclists May Use Full Lane.
23. Widen Toro Creek Bridge across Highway 1 north of Morro Bay to add a bike lane on the northbound side – work to be done by Caltrans – scheduled for 2018.

Maintenance Biweekly Project Report

12/23/16

Top 5-10 Results Last 2 Weeks

- 1) Streets: Install and Finish (16) tons of Hot Mix Asphalt on Koa/ Elena, Orca/ Elena, Panorama, Sunset, Kings, Pacific and Olive.
- 2) Streets: Removed silt, sand and debris from sidewalks after rain.
- 3) Streets: Cleared culverts from debris around town.
- 4) Trees: Trimmed several trees in public right of way around town.
- 5) Streets: Fill several potholes around town with cold mix asphalt.
- 6) Target Rock: Rebuild, paint and install memorial plaques in bench.
- 7) Public Works: Resealed and waterproofed roof seams.
- 8) Streets: Grind trip hazards on sidewalks around town.
- 9) City Hall: City Hall: Paint Lori K. office.
- 10) City Hall: Build frames and install large MB portraits on conference wall.

Top 5-10 Short Term Projects

- 1) Streets: Repair ESH fencing on Coleman Dr.
- 2) Streets: Clean out all Storm Drains
- 3) Streets: Repair Piling wall on Olive and Morro Ave.
- 4) Rock and Target Rock: Install base material and concrete benches/ fire pits.
- 5) Cloisters: Dig holes in parkway tree wells and plant trees.
- 6) Streets: Install directional parking signs to direct traffic to (3) parking lots.
- 7) Del Mar: Dress up RR and add drinking fountain.

Top 10 Long Term Projects

- 1) Stripe parking lots and crosswalks.
- 2) Build hot mix asphalt berms around priority areas.
- 3) Concrete Sidewalk repairs.
- 4) Tree trimming around town and parks.
- 5) Lila Keiser: Repair parking lot.
- 6) Coleman Park: Remodel Restroom for ADA. Remove old drinking fountain station and replace.
- 7) Repair South Bay pothole area with Hot Mix.
- 8) Streets: Replace Street and Stop signs around town.

Resources / Coordination Needed

- 1) Welder/ Fabricator: Stairwells and MBCC

Wastewater Bi-Weekly Project Report
Ending 1/6/17

Top Results Last 2 Weeks - Collections

- 1) Initial training of new WWTP/Collections staff on equipment and daily operation checks and duties (such as Vac-Con, pump stations, problem areas in collection system)
- 2) Adjust level set points at pump stations to reduce potential slug to WWTP from pump stations.
- 3) Maintain FOG program
- 4) Keep up essential collections operations and services during WWTP/Collections consolidation
- 5) Aide WWTP operations during recent storm event/heavy rains

Top Results Last 2 Weeks – WWTP

- 1) We started at 7 am on January 3rd Matt & Kyle's first day
- 2) Replaced backflow devices 2" & 4" main coordinated with Water Dept.
- 3) Heavy rain effluent flow meter pegged at 6.9 MGD haven't had a chance to download the influent flow meter data. Staff continually monitored the primary clarifiers to push as much water as possible through the plant and continually ran influent VFD's in hand during the storm event. The effluent flow meter that controls chlorination and dechlorination jammed up during high flows. We pulled the meter and re-installed. A few hours later the effluent flow meter failed due to rainwater in an electrical junction box. Alpha Electric called and hooked up the influent flow meter signal to temporarily control the chemical feed pumps so staff could go home and rest.
- 4) Staff pulled the effluent flow meter and Alpha Electric repaired the corroded electrical connections in the shop, we reinstalled the effluent flow meter and switched the influent signal back.
- 5) Staff installed our hydraulic pump in the influent wet well in advance of the upcoming storms.
- 6) Baker tanks delivered Thursday evening and more are scheduled to be delivered today along with a pump capable of 700 gpm, hoses and fittings. Staff will begin setting up the pumping systems today to prepare for upcoming storms.
- 7) Today we are cleaning up my office to accommodate Joe Mueller, setting up a temporary workstation for myself and we are cleaning out and moving Dave Zevely's office to the WWTP.

Top 5-10 Near-Term Projects - Collections

- 1) Train new staff for efficient, safe collection system work
- 2) Fats, Oils, Grease inspections at restaurants/industrial dischargers
- 3) Enhanced line cleaning (follow monthly work-order schedule)
- 4) Train WWTP/Collections staff on draft 50,000 gallon SSO response plan
- 5) Complete point repair on Avalon before road surfacing project starts
- 6) Meet with Joe, new Utilities Manager, to discuss collections projects

Top 5-10 Near-Term Projects - WWTP

- 1) Replace RAS blower at Secondary
- 2) Inspect WAS pumps
- 3) Calibrate Influent meter
- 4) Outfall Inspection

- 5) Dig out Blending Valve for inspection and valve stem housing alignment
- 6) Landscape maintenance – get prisoners to weed
- 7) Replace all VFD's in Headworks and Interstage
- 8) MOLD and Admin building maintenance

Future Projects – Collections

- Contract for Installing soft-starts at LS3
- Purchase new genset for LS 1 (existing genset from 1987)
- Raise manholes on MH repair list (continuous)
- Order crane truck
- Lift Station 3 SCADA contract and completion
- Order CCTV and advance in-house CCTV program to fulfil SSMP requirements
- Contract/RFP for root control
- Install new check valves at LS3
- Point repair section 4 Laurel easement (in-house portion)
- R/R mainline at Juniper easement north of MH 4.73 with HDPE burst
- Fill and compact roadbase inside lift station 1 fence

Future Projects – WWTP

- Replace bio-arms on big bio #2
- Alarm Systems – Graphic panel & MCC-C
- Inspection and repairs to Cathodic Protection
- Switchgear proposal – electrical improvements
- Chlorine Contact Sluice Gates
- New effluent meter
- Blending Valve replacement
- Cleaning Digester #3
- Outfall maintenance
- Secondary rehab
- Chlorine Contact Chamber – Disinfection and Dechlorination improvements

Resources/Coordination Needed

Call Speed's to vacuum wastewater during Avalon point repair

Coordinate with WWTP Staff to apprise of collections work

Send draft contracts to attorney for review

Coordinate with Engineering (Jarrod)

Coordinate with contractors

Water Biweekly Project Report

1/17/2017

Top for next two weeks

- 1) Weekly water samples run desal turn on ,turn off , usa finish sea well testing
- 2) Abandon old ¾ inch service at 636 Fresno , exercise valves, turn on, turn off usa
- 3) Install new service at 498 Hill read the zero reads from meter readers turn off, turn on,usa hand out shut off notices for non payment
- 4) Turn on, turn off ,usa Exercise valves check high water usage meters
- 5) Clean out meter boxes ,turn on,turn off,usa start service replacement at 260 pacific
- 7) Weekly water samples run desal, turn on, turn off,usa , turn off and lock for nonpayment
- 8) Replace three services at 260 pacific, turn on,turn off, usa
- 9) Exercise valves, turn on, turn off, usa ,work on meter readers notes
- 10) Turn off,turn on, usa, clean out and reset meter boxes

Top 1-10 Short Term Projects

SERVICE REPLACEMENT

- 8) 487Kern
- 9) 355 Kern
- 10) 487 Kern
- 11) 600 Driftwood
- 5) 209 Surf
- 6) The Inn at Morro Bay)
- 8) 480 Piney way
- 10) turn off notice

Long Term Projects

Valve Replacement

- 9) 3000 Ironwood
- 10) Mimosa and Hill
- 11) Bay and Marina
- 12) Marina and Kern
- 13) Ridgeway and Bernardo
- 14) Main and Bonitia
- 15) Kings and Quintana



Summary of Morro Bay WRF Master Plan (Draft November 2016)

Introduction

The Morro Bay Water Reclamation Facility Master Plan (WRF FMP) is a major milestone in the planning process for the City's WRF Project. The FMP was developed from nine (9) Technical Memoranda (TMs) that address different technical aspects of the project; input from the Water Reclamation Facility Citizens Advisory Committee, staff, and City Council; and comments from citizens and stakeholders received through community workshops, meetings, and direct communication with staff.

The WRF provides the City the ability to meet goals developed by the community while producing water capable of meeting the "Highest and Best Uses" to facilitate a locally sustainable and affordable water supply. These reuse opportunities include, in descending order, groundwater injection to supplement the City water supply; agricultural irrigation; unrestricted irrigation; restricted irrigation; and should reclamation of 100% of the water prove to be infeasible then ocean discharge.

WRF Components

Major components of the WRF explored in the Facility Master Plan include the influent pump station, raw wastewater force main, water reclamation facility (treatment plant), and brine/wet weather discharge pipeline. Advanced treatment, storage, and pumping required for recycled water were also addressed. Pipelines, injection wells, and other recycled water system components outside of the WRF itself were not included in this study.

Potential sites for a new influent pump station were studied and two were selected based comparative capital and operating cost. Both sites are in the vicinity of the existing wastewater treatment plant, on Atascadero Road, since the City wastewater collection system terminates at that location.

The FMP developed various liquid and solids treatment alternatives that aligned with community goals. The alternatives were evaluated using criteria such as comparative capital cost, comparative operating cost, odor mitigation, technical complexity, reliability, staff requirements, scalability, product water quality, flexibility for Title 22 (recycled water regulations) redundancy, and visual impact / footprint.

Recommendations and Conclusions

The FMP has recommended a pump station in the location of the existing wastewater treatment plant, and a raw wastewater pipeline alignment that generally follows Quintana Road to the South Bay Blvd site. The pipeline alignment along Quintana Road is recommended because it is the most accessible for operations and maintenance, is less environmentally impactful, and provides lower pumping costs.

To achieve community goals for any of the highest and best uses of product water, reverse osmosis and advanced oxidation (UV light and hydrogen peroxide) will be required for either salt removal (sensitive crops) or for indirect potable reuse via groundwater injection.

The FMP recommends two treatment alternatives to meet City goals. Both alternatives include preliminary treatment, disinfection and solids handling, and differ by type of biological treatment and filtration. The treatment alternative will be determined during detailed design.

- **Sequencing Batch Reactor (SBR).** SBRs are compact and efficient, combining mixing, aeration, and clarification in a single tank utilizing fill, drain, and aeration controls. Tertiary treatment is accomplished with subsequent membrane filtration and UV disinfection.

PREPARED FOR THE CITY OF MORRO BAY

WATER RECLAMATION FACILITY MASTER PLAN

B&V PROJECT NO. 189276 | DRAFT - NOVEMBER 2016

PHOTO CREDIT:
SkyFly Aerials
Catherine Bronzo



BLACK & VEATCH
Building a world of difference.
PWAB Agenda 18 of 60

INTRODUCTION

The City of Morro Bay (City) is in the planning stages of a major capital improvement project to replace the existing, aging Morro Bay-Cayucos Wastewater Treatment Plant (WWTP). A major milestone in the planning process is completion of the Morro Bay Water Reclamation Facility Master Plan (FMP). Black & Veatch Corporation (B&V) was retained by the City to prepare the FMP.

The FMP advances the planning of the City's proposed new Water Reclamation Facility (WRF). It provides more detailed technical analyses and definition for the project. In so doing, the FMP provides a more detailed basis for the City to move the project forward. With the FMP, the City can continue gathering input from the community, develop environmental impact studies, advance its financing plans, begin working with regulators to secure permits, and start detailed design.

One of the drivers for replacing the existing WWTP is the need for a major upgrade in order to meet the regulatory requirements of the federal Clean Water Act (CWA) and additional requirements defined by the State of California Regional Water Quality Control Board (RWQCB). The other key driver is the California

Coastal Commission's January 2013 direction to relocate the facility to a more inland area that is consistent with Coastal Act policies.

The CWA defines the quality of treated wastewater that can be released to the environment. In the case of the City, its treated wastewater is discharged to the Pacific Ocean, offshore and north of Morro Rock. The existing plant cannot meet state and federal requirements for discharge to the ocean without significant upgrades. Regional Water Quality Control Board has required the City of Morro Bay to develop a new treatment facility by 2021.

This need to replace the existing WWTP has provided the City a tremendous opportunity to build a new WRF that will turn the City's wastewater into a new, sustainable water source. There are many potential opportunities to beneficially use the reclaimed water that the WRF will provide, all of which are being considered by the City. These opportunities are being considered through a series of studies commissioned by the City which are currently underway. The reclaimed water uses under consideration range from indirect potable reuse (groundwater recharge,



extraction, and treatment), to agricultural irrigation such as avocado orchards, and general irrigation for parks or golf courses. Some of these uses combined will directly supplement and/or replace the City's supply from the State water system. The studies will also address Direct Potable Reuse, which may become a possibility as regulations and cost-effective

technologies emerge. By expanding its water supply portfolio to include locally-generated recycled water, the WRF will ultimately improve the City's water supply reliability and make the City less reliant on expensive and potentially uncertain imported water.

FACILITY MASTER PLAN DEVELOPMENT PROCESS

TECHNICAL MEMORANDA

The FMP is based on nine Technical Memoranda (TMs) that address different technical aspects of implementing the WRF. These TMs and the objective of each are listed below:

TABLE ES-1: FMP TECHNICAL MEMORANDA

TECHNICAL MEMORANDUM	OBJECTIVE
TM-1: Summary of Existing Documents Reviewed	Summarize salient information from existing data and documentation provided by the City, some of which provided the basis for planning criteria and assumptions applied during FMP development.
TM-2: Influent Waste Characterization, Flow Projections, and Effluent Discharge Requirements	Provide flow and load projections to support preliminary facility planning for the WRF. Review historical population and population projections; evaluate historical influent flows; evaluate influent loads; develop influent flow and load projections; assess effluent quality requirements; and provide influent sampling program recommendations.
TM-3: Morro Bay-Cayucos WWTP Decommissioning	Evaluate the requirements and costs associated with decommissioning the existing WWTP.
TM-4: Onsite Support Facilities	Describe onsite support facilities required, or that could be accommodated, in addition to the WRF process facilities, including operations, office, and maintenance buildings; possible compatible uses such as a corporation yard and storage; site solar farm; water resources education center; electrical feed and stand-by power; hazardous materials containment and handling; possible co-location of the City's water treatment plant; and other facilities.
TM-5: Offsite Facilities	Review the existing collection system and evaluate offsite facility options for the collection and conveyance of wastewater flows to the new WRF site; identify and evaluate lift station site alternatives; and evaluate preferred sites.
TM-6: Biosolids Treatment Evaluation	Evaluate biosolids regulations; assess biosolids treatment technologies; review biosolids disposal and reuse options; review energy recovery options; and develop recommended treatment alternatives.

TECHNICAL MEMORANDUM	OBJECTIVE
TM-7: Liquid Treatment Evaluation	Evaluate options for liquid treatment processes that can be employed at the WRF to provide water of sufficient quality to serve a range of potential end uses and to meet regulatory requirements.
TM-8: Future Potable Reuse Evaluation	Evaluate issues surrounding development of a regulatory framework and appropriateness of advanced treatment technologies for a future direct potable reuse (DPR) project and develop and evaluate four conceptual level DPR alternatives.
TM-9: Organic Waste Feasibility Study	Evaluate potential benefits of accepting hauled waste streams at the WRF including fats-oil-grease (FOG), septic waste, recreational vehicle (RV) waste, and green waste (yard waste).

ACTIVE CITY TECHNICAL STAFF AND PROGRAM MANAGEMENT INVOLVEMENT

All of the TMs were reviewed by the City's Public Works Department technical staff and the City's WRF Program Management team. They provided key input on the content of the TMs to ensure the content was aligned with the City's preferences, needs, and overarching project goals. Technical workshops were held at important milestones to obtain critical feedback and more importantly, to facilitate the City's decision making.

WRFCAC INPUT

So that the recommendations of the FMP reflected the needs and priorities of the Morro Bay community, many of the most important draft TMs were presented to the City of Morro Bay Water Reclamation Facility Citizen's Advisory Committee (WRFCAC). The WRFCAC's volunteer members represent a cross-section of the Morro Bay community, and WRFCAC includes members with professional expertise in finance, engineering, and environmental issues. They represent the City's citizenry by asking questions and providing feedback with the interests of the broader community in mind. The presentations were broadcast on the City's cable television channel and recorded and posted on the City's YouTube channel, all to inform interested members of the community. The input from the WRFCAC was crucial in the development of the TMs.

CITY COUNCIL INPUT

TMs were also presented to the Morro Bay City Council to provide updates on the progress of the project and to receive additional questions and feedback. These presentations were broadcast and recorded and posted to YouTube. Two of the City Council presentations were joint meetings with the WRFCAC so that both entities would be exposed to the same information at the same time. Community members in attendance at these meetings also were invited to provide input as part of the Public Comment portion of these meetings. Again, the input from the City Council was considered and addressed in the TMs as appropriate.

COMMUNITY WORKSHOPS

In addition to public presentation of the TMs, several Community Workshops were held specifically related to the content of the FMP. These workshops were in addition to several meetings and workshops with the community over the course of two years that were held prior to the start of FMP development. The FMP topic workshops were led by the City's Program Management team. They focused on gathering additional community input on the selection of the site where the WRF will be constructed, and on architectural styling of the WRF facilities. The input from these meetings was vital to the final site selection and proposed architectural treatment presented in the FMP.

THE MORRO BAY WATER RECLAMATION FACILITY MASTER PLAN ANSWERS KEY QUESTIONS

As noted earlier, the FMP seeks to provide a more detailed basis for the City to move the project forward to its next steps. The FMP provides the City a foundation for the WRF project so it can continue gathering input from the community, develop environmental impact studies, advance its financing plans, begin working with regulators to secure permits, and to start detailed design.

In support of these ends, the FMP answers some key questions.

WHY IS THE CITY PLANNING A NEW WRF?

The City is planning the proposed WRF for several reasons:

- Replace aging infrastructure that is increasingly difficult and expensive to maintain.
- Comply with Federal and State Regulations.
- Provide for a locally sustainable water supply.

REPLACEMENT OF AGING INFRASTRUCTURE

The existing WWTP is over 60 years old. While it has served the City and its partner owner Cayucos well, it has become problematic and costly to maintain. It is essentially at the end of its useful life. The City operations staff continues to enact various equipment replacements and repairs, which they refer to as “Band-Aids” to keep the plant going until it can be upgraded or replaced.

COMPLIANCE WITH FEDERAL AND STATE REGULATIONS

The existing WWTP requires a major upgrade in order to meet the regulatory requirements of the federal Clean Water Act (CWA) and additional requirements defined by the Regional Water Quality Control Board

(RWQCB). Because the first phases of the existing plant were designed and constructed prior to the federal Clean Water Act, it provides what is known as “partial secondary” treatment. Until the last decade, the City was able to obtain a waiver that allows for this level of treatment, whereas the federal government now requires “full secondary” or more rigorous biological treatment for ocean discharge.

The RWQCB administers the City’s Waste Discharge Permit. The City’s permit expired in 2014. The City continues to be held to that standard while the new permit is established. Since that time, City staff has been working with the RWQCB to obtain the new permit. Although the RWQCB has not issued a new permit to date, it is known from this process that it will impose current standards on the existing plant. The current standard for all wastewater treatment plants discharging to the ocean is to provide “full secondary” treatment.

The existing plant cannot meet those requirements without significant upgrades.

WHY WILL THE WRF BE IN A DIFFERENT LOCATION THAN THE EXISTING WWTP?

Based on an agreement with the RWQCB, the City and Cayucos Sanitary District (District) had previously pursued bringing the existing facility to disinfected tertiary, but not full Title 22 compliance in place of continued requests for a 301(h) modified discharge permit. The agreement allowed the City and District to pursue secondary treatment on a schedule that was mutually agreed upon by both agencies and the RWQCB.

As part of permitting for an upgraded wastewater treatment facility at its existing location, a Coastal Development Permit (CDP) was required from the

California Coastal Commission (CCC). At a meeting on January 10, 2013, the CCC voted to deny the CDP for construction of the upgraded plant. The basis for denial included the CCC's assessment that the new facilities would be inconsistent with the Local Coastal Plan's zoning provisions, failed to avoid coastal hazards, failed to include a sizable reclaimed water component, and that the project location was within an Local Coastal Plan (LCP) designated sensitive view area.

Denial of the CDP caused the City to pursue alternative locations for siting of a new upgraded wastewater treatment plant.

WHAT COMMUNITY GOALS HAS THE CITY SET FORTH TO DEFINE PROJECT SUCCESS?

In initiating the WRF project, the City Council provided important leadership by adopting a series of goals for the project based on extensive community input. These forward-looking goals seek to drive the City's investment toward a cost-effective new facility that will provide benefits to the City for a long time. Part of the task of the FMP is to critically evaluate these goals, and to address them to the extent possible in the context of the new WRF. The City's adopted goals for the project are:

TABLE ES-2: COMMUNITY GOALS FOR WRF

COMMUNITY GOAL	WHAT DOES THE GOAL MEAN?
Produce tertiary disinfected wastewater	Tertiary disinfected wastewater is filtered, disinfected, and can be used for many recycled water applications.
Design for cost-effective reuse	Lifecycle cost (including capital and operating costs) must be minimized while producing recycled water for the highest possible uses.
Consider onsite composting	Beneficial reuse of biosolids, through composting, is good for the environment and could be cost-effective for the City; Both onsite and regional partnership opportunities should be explored.
Consider design for energy recovery	Energy recovery and energy generation could offset the operating costs for advanced treatment at the WRF.
Design to treat for contaminants of emerging concern	In the future, reuse of water may require advanced treatment for contaminants that are not currently regulated. The plant should have the flexibility to meet these future challenges.
Design site to allow for other municipal uses	The City needs to replace the aging public works corporation yard, which provides office space, storage, indoor workspaces, and parking. In addition, public education centers and other community amenities were explored during workshops prior to development of the Facility Master Plan.
Ensure compatibility with neighboring land uses	Being a good neighbor means controlling odors, considering impacts such as traffic, considering concerns of nearby residents, and designing an attractive, professional-looking facility.
Implement the facility to be operational within 5 years	Moving quickly will reduce potential for construction cost escalation and will minimize risk and cost to continue operating at the current site.

All of the community's adopted goals were considered and addressed in the FMP and included in the project plan where feasible.

HOW DOES THE CITY PLAN TO IMPLEMENT THE PROJECT?

The Morro Bay Water Reclamation Facility Project is a two-phase program for a complete recycled water processing and transmission system. Phase I of the program includes the following components:

- Development of the new WRF
- Lift station and pipelines needed to connect the facility with existing wastewater collection infrastructure within the area it will serve
- Pipelines and/or other facilities needed to reclaim and distribute treated wastewater for reuse in accordance with the Facility Master Plan and reclamation planning efforts currently underway
- Support facilities required for the operation of the New WRF; i.e., water main extension along with miscellaneous dry utilities
- Actions needed to transfer wastewater treatment service from the current WWTP to the new facility.
- Decommissioning of the existing WWTP

The specific project components were further refined in the Facility Master Plan, but conceptually, the project will replace the existing wastewater treatment plant (WWTP), and will be sized to accommodate future buildout under the General Plan/Local Coastal Plan in the City, including potential customers.

The new WRF will also be designed to disinfected tertiary treatment standards in order to facilitate water reclamation, and Phase II of the program will include the infrastructure necessary to distribute this reclaimed water offsite. It is not yet known what facilities will be needed to achieve this, but it can be assumed there will likely be a pipeline network and on- or off-site storage facilities, which may include surface or subsurface systems. These concepts will be further refined in the City's Master Water Reclamation Plan which is currently being developed. The CEQA/NEPA analysis will commence now that the Facility Master

Plan has been completed to a sufficient level of detail, in order to more fully understand the nature of the likely project components.

The City anticipates pursuing planning, design, and construction funds from various sources including the Clean Water State Revolving Fund (SRF), among others.

WHERE WILL THE WRF BE LOCATED?

The preferred location for the new WRF is the South Bay Boulevard site, which is adjacent to the City limits just north of the interchange of State Route 1 and South Bay Boulevard. Figure ES-1 shows the location of the WRF relative to the City and the existing Morro Bay - Cayucos WWTP. The selection of this site is the result of nearly three years of extensive community input, study of multiple sites, and a variety of technical evaluations. The process that led to this conclusion is summarized below.

At the January 10, 2013 California Coastal Commission (CCC) meeting, the CCC voted to deny the Coastal Development Permit (CDP) for construction of an upgraded wastewater treatment plant at its existing location. In summary, the basis for denial included inconsistency with the Local Coastal Plan's zoning provisions, failure to avoid coastal hazards, failure to include a sizable reclaimed water component and project location within an LCP-designated sensitive view area.

This began a process for locating a more suitable site for the new WRF. Much of 2013 was spent developing

FIGURE ES-1: SOUTH BAY BOULEVARD WRF SITE RELATIVE TO CITY OF MORRO BAY AND EXISTING MORRO BAY - CAYUCOS WWTP



the community goals for a new facility, as described above. The time was also spent evaluating potential sites. In December 2013, the City Council considered a report that initially screened 17 possible sites, with a more detailed analysis of the 7 most promising locations. At that time, the Council directed staff to focus on sites in the Morro Valley, because that appeared to be the most promising location to achieve

goals related to storing and using reclaimed water that might be produced. A Morro Valley site was also seen as potentially attractive because it was somewhat closer to Cayucos, which was still involved in the process at that time. Based on this, the City Council directed staff to prepare a comparative analysis of sites in the Morro Valley to other potentially suitable locations outside the Morro Valley. The resulting

May 2014 report concluded that while the most promising location remained within the Morro Valley, a new WRF was achievable in the Chorro Valley, at the location now known as the South Bay Boulevard site. Several factors were considered in this conclusion, including consistency with Coastal Act policies, cost, a good working relationship with the property owner, reclamation opportunities, neighborhood compatibility, and potential challenges to achieving the desired 5-year timeframe.

At that time, several people in the community wished to consider a more regional solution to building a new WRF, specially at a site near Cuesta College, where a current WWTP served primarily the California Men’s Colony (CMC). Based on this input, the City Council directed staff to compare the feasibility of the CMC site with a site closer to the City. A December 2014 report concluded that the CMC site was not desirable. Not only would it be much more costly, it would face many challenges related to logistics and coordination with multiple agencies, including the State Department of Corrections, which operated the currently facility and had little desire to partner with the City of Morro Bay or others.

Until this time, the Cayucos Sanitary District (CSD) had been a partner with the City in locating a new facility. When the CSD made the decision in April 2015 to pursue a separate course to build its own facility, it modified the City’s approach to the project to some extent. Nevertheless, the City continued to pursue a Morro Valley location throughout 2015. However, when significant unforeseeable constraints related to property ownership and neighborhood opposition became apparent for the two preferred Morro Valley sites, the City began to reconsider a site in the Chorro Valley as a more achievable alternative.

A comparative site evaluation published in May 2016 confirmed this conclusion. The intent of this report was to examine several sites in the Morro Valley, a site closer to Cayucos, and the South Bay Boulevard site in the Chorro Valley. Based on factors related to achieving the community’s goals, including cost, land use compatibility, and the ability to achieve the project in a 5-year timeframe, the report concluded the South Bay Boulevard site would be best overall. Based on this report, in June 2016 the City Council directed that an FMP be prepared for the preferred South Bay Boulevard site.

WHAT KIND OF WATER WILL THE WRF PRODUCE?

The City has rightly recognized that the need to replace and relocate the existing WWTP provides a valuable opportunity. As a result, the City Council established that the WRF will be designed to provide tertiary disinfected wastewater. By constructing the new facility to provide recycled water of this quality, the City will diversify its water supply portfolio and reduce dependence on costly and potentially unreliable imported water supplies. Water of this quality can be used for a variety of recycled water applications.

With this in mind, the City is currently developing a Master Water Reclamation Plan to determine the highest, best and most cost-effective uses for the water produced from the WRF. The new source of water supply to the City will at minimum serve to supply general and agricultural irrigation uses that currently use potable water. Ideally, it will augment the City’s potable water supplies through an indirect potable reuse strategy.

The WRF has been planned with flexibility to be able to cost-effectively benefit the City’s water supply portfolio going forward.

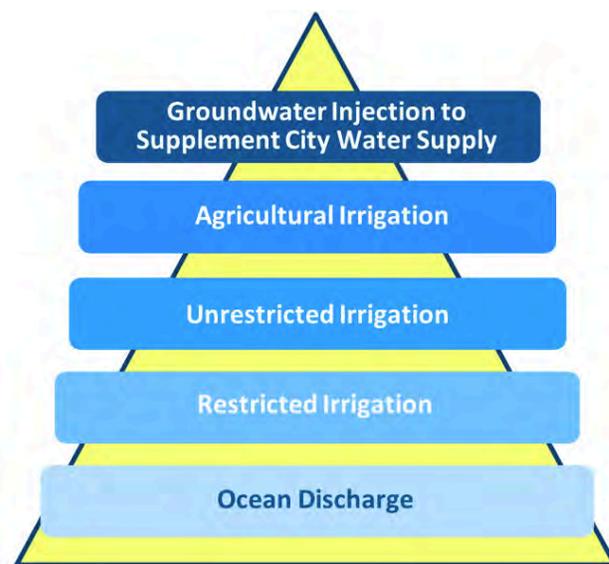


FIGURE ES-2: THE CITY’S MASTER WATER RECLAMATION PLAN SEEKS TO MAKE THE HIGHEST AND BEST USE OF ITS NEW WATER RESOURCE

TABLE ES-3: EVALUATION CRITERIA FOR TREATMENT TECHNOLOGIES TO PRODUCE HIGH QUALITY RECYCLED WATER

CRITERIA
<p>COMPARATIVE CAPITAL COST</p> <p>This criterion compares the relative capital costs of each alternative. Alternatives with perceived lower capital cost receive a higher score.</p>
<p>COMPARATIVE OPERATING COST</p> <p>This criterion compares the relative operating costs of each alternative. Alternatives with perceived lower operating cost receive a higher score.</p>
<p>ODOR MITIGATION</p> <p>This criterion compares both the odor generation and mitigation of just the biological treatment alternatives. Alternatives perceived to produce fewer odors and allow for easier odor mitigation receive a higher score.</p>
<p>TECHNICAL COMPLEXITY</p> <p>This criterion compares the technical process complexities of each alternative. Alternatives perceived to be simpler to operate and with the fewest process complexities receive a higher score.</p>
<p>RELIABILITY</p> <p>This criterion compares the process reliability of each alternative. Alternatives perceived to be more reliable receive a higher score.</p>
<p>STAFF REQUIREMENTS</p> <p>This criterion compares the number of staff, level of training required, and time requested to operate/maintain for each alternative. Alternatives that require less staff, lower training levels, and less operation/maintenance (O&M) time receive a higher score.</p>
<p>SCALABILITY</p> <p>This criterion compares the ability to add capacity to each alternative. Alternatives that are more modular and easier to expand receive a higher score.</p>
<p>PRODUCT WATER QUALITY</p> <p>This criterion compares the water quality produced by each alternative. Alternatives that produce better quality water receive a higher score.</p>
<p>BENEFICIAL REUSE OPPORTUNITIES</p> <p>This criterion compares the ability of each filtration alternative to produce product water that can be used for beneficial reuse. Alternatives that can produce tertiary treated water or better receive a higher score.</p>
<p>FLEXIBILITY FOR TITLE 22 REDUNDANCY</p> <p>This criterion compares the cost and complexity to include redundant treatment processes for the biological treatment alternatives. Alternatives that allow for redundant biological treatment systems at a lower cost receive a higher score.</p>
<p>VISUAL IMPACT/FOOTPRINT</p> <p>This criterion compares the visual impact and footprint of each alternative. Alternatives perceived to have less visual impacts and smaller footprints receive a higher score.</p>

WHAT TECHNOLOGIES ARE BEING PROPOSED TO PRODUCE HIGH-QUALITY WATER?

At the outset of FMP development, B&V treatment technology experts collaborated with City technical staff to define the City’s goals and preferences for the project.

This resulted in a set of qualitative criteria that were used to evaluate the potentially viable technologies to be considered for the WRF. The criteria are shown in Table ES-3.

In addition to the criteria themselves, City staff provided input on prioritization of the criteria for purposes of scoring. In summary, the criteria and scoring sought to balance:

- The ability to reliably produce tertiary disinfected wastewater and water quality to meet the range

of potential end-uses being considered and regulatory requirements.

- The cost-effectiveness of the process components, considering both capital and life-cycle costs.
- Selection of technologies that are proven and well understood for plants of this type and scale so that the City will have on-going access to staff and technical resources to support operations.
- Being a good neighbor and minimizing environmental impacts, including odor mitigation, footprint, and visual impacts.

Having established these goals, B&V treatment technology experts developed for evaluation an inclusive list of technologies for each wastewater treatment unit process step required to produce tertiary disinfected wastewater. These are listed in Table ES-4.

TABLE ES-4: TREATMENT TECHNOLOGIES CONSIDERED

TREATMENT STEP	UNIT PROCESSES
Preliminary Treatment	<ul style="list-style-type: none"> ■ Influent Screens <ul style="list-style-type: none"> ● Shaftless Spiral Screen ● Mechanically-Cleaned Bar Screen ■ Grit Removal <ul style="list-style-type: none"> ● Horizontal Flow Grit Chambers ● Aerated Grit Chambers ● Vortex Grit Chambers
Primary Treatment	<ul style="list-style-type: none"> ■ Primary Clarifiers <ul style="list-style-type: none"> ● Rectangular Clarifiers ● Circular Clarifiers
Biological Treatment	<ul style="list-style-type: none"> ■ Suspended Growth Biological Treatment <ul style="list-style-type: none"> ● Activated Sludge (AS) ● Sequencing Batch Reactor (SBR) ● Oxidation Ditch ● Aerated Lagoons / Pond Systems ■ Fixed Film Biological Treatment <ul style="list-style-type: none"> ● Trickling Filters (TFs) and Rotating Biological Contactors (RBCs) ● Moving Bed Bioreactors (MBBR) ● Biological Aerated Filter (BAF) ■ Hybrid Biological Treatment <ul style="list-style-type: none"> ● Integrated Fixed-Film Activated Sludge (IFAS) ■ Membrane Bioreactor (MBR)
Tertiary Treatment	<ul style="list-style-type: none"> ■ Disc Filters ■ Media Filters
Disinfection	<ul style="list-style-type: none"> ■ Chlorine ■ Ozone ■ Ultraviolet Light (UV)

The preferred unit process components were combined to create two treatment process trains, both of which:

- A) Meet the City Council goals for the project, and
- B) Address the goals and preferences of the City technical staff.

Two treatment process trains were developed, a Conventional Treatment Process and a Combined Secondary/Tertiary Treatment Process.

The **Conventional Treatment Process** alternative is founded on **Sequencing Batch Reactor (SBR)** technology. SBR is a well-established batch operation activated sludge technology. It has been widely used since the late 1970s. It is particularly applicable for smaller communities where flow fluctuations can vary more widely. SBRs are compact and efficient, combining mixing, aeration, and clarification in a single tank utilizing fill, drain, and aeration controls. The complete range of biological processes are accomplished in the SBR, and they can provide superior effluent quality as compared to activated sludge processes.

The SBR provides the clarification and biological treatment steps of the process. Tertiary treatment is accomplished with subsequent filtration and disinfection.

Microfiltration (MF) membrane filtration would be used ahead of Reverse Osmosis (RO) membranes to produce recycled water quality suitable for indirect potable reuse. MF can also provide the filtration step for other non-potable irrigation uses.

Should the City identify that its most cost-effective option is to produce recycled water for irrigation uses, it may prove more cost effective to use disk filters for the filtration step.

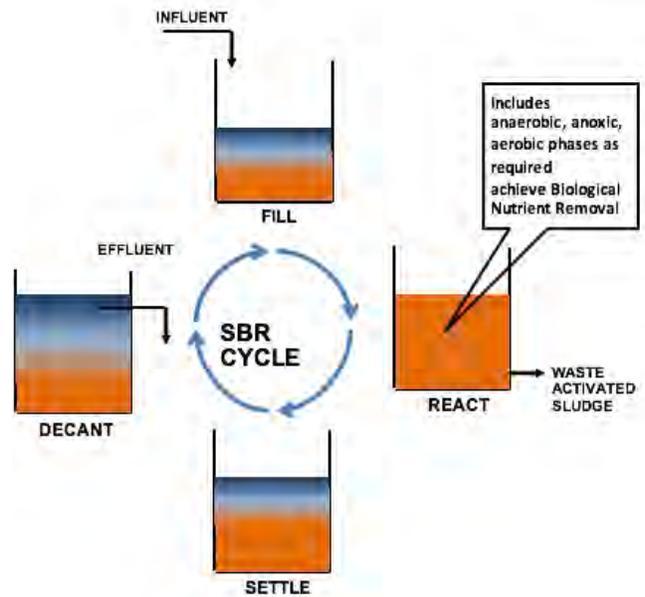


FIGURE ES-3: TYPICAL SBR CYCLE

Disinfection will be accomplished using Ultraviolet (UV) light. MF/RO/UV is the industry and regulatory accepted process for producing water for potable reuse in California. Although somewhat more expensive to operate, UV offers the advantage of a smaller footprint, and eliminates need for storage of chlorine or other potentially hazardous disinfection chemicals on site.

A general process flow diagram for the Conventional Treatment Process is shown in Figure ES-4.

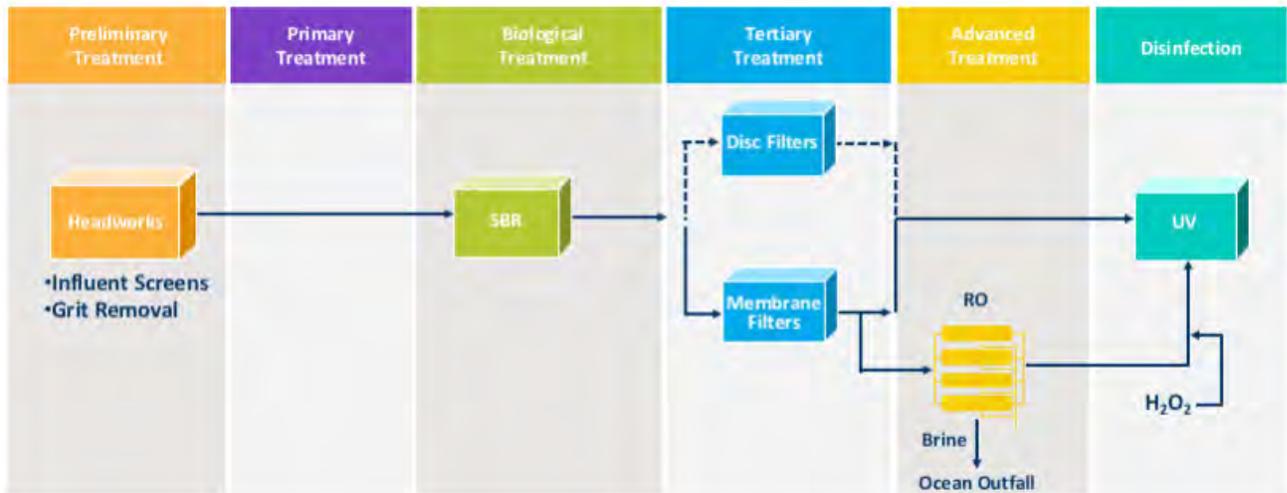


FIGURE ES-4: CONVENTIONAL TREATMENT ALTERNATIVE

The **Combined Secondary/Tertiary Treatment Process** employs **Membrane Bioreactor (MBR)** technology to provide the multiple treatment steps. MBR technology has become popular in the last 10 to 15 years. Like SBR, the MBR would provide the primary and biological treatment steps. Biological treatment is accomplished through activated sludge. The submerged membranes are operated under vacuum with product water drawn through the membranes. By virtue of being a membrane based technology, the MBR also provides the filtration step needed for tertiary treatment. MBR therefore is more compact than SBR.

The Combined Secondary/Tertiary Treatment Process would also rely on RO to provide the advanced treatment and UV to provide the disinfection necessary for potable uses. The MBR provides the filtration step to accomplish tertiary treatment. If irrigation end-uses are served, the effluent from the MBR can be UV disinfected directly to provide tertiary disinfected wastewater.

The general process flow diagram for the Combined Secondary/Tertiary Treatment Alternative is shown in Figure ES-5.

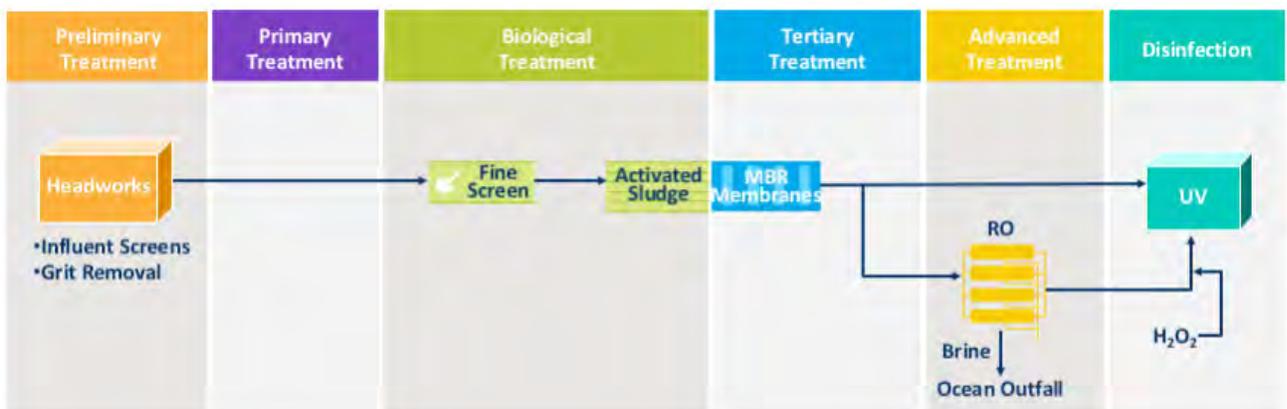


FIGURE ES-5: COMBINED SECONDARY/TERTIARY TREATMENT ALTERNATIVE

ARE THERE ANY BY-PRODUCTS FROM THE TREATMENT PROCESS THAT CAN BE BENEFICIALLY USED?

The treatment process separates solid material from the wastewater. Biodegradable material is known as biosolids.

Biosolids are rich in carbon and nutrients. Some communities have had success building and operating facilities to process biosolids to generate electricity, and to create marketable products such as soil amendments and fertilizers. The City Council therefore established the goal that the project should consider the potential to compost biosolids material on site.

The FMP provides an assessment of the facilities, costs, and benefits of handling and processing of biosolids at the proposed WRF site. It was found that the required facilities, including primary clarifiers and digesters, would not be cost-effective. The energy created and revenue from sellable materials would not offset the capital costs for the facilities.

As a result of the FMP, it is anticipated that the City will continue its current practice of engaging Liberty Composting to transport and process the City's biosolids. Liberty processes the City's biosolids at its facility in Kern County and sells the products to agricultural users in the Central Valley.

WHAT OTHER FACILITIES ARE PLANNED AT THE SITE?

In addition to replacing and relocating the existing WWTP, the City also needs to pursue replacing other City operation and maintenance facilities. As part of the WRF project, the City Council set a goal to consider locating other City functions at the WRF site. The purpose of this goal is to attempt to capture efficiencies in site acquisition and construction cost that may be available through co-locating facilities.

In addition to the treatment facilities themselves, the WRF includes office space, storage, indoor work spaces, and parking. These same facilities are needed for other Public Works Department Functions. The Public Works Department staff offices can also be relocated to the WRF, freeing up space downtown for other City space needs. Co-locating all of the Public Works staff at one site will provide efficiencies in communication and operation.

To address this goal, the site planning developed in the FMP includes the potential location of other City operation and maintenance facilities at the WRF as shown in Figure ES-6. It is anticipated that the WRF and its supporting administration/operations building, maintenance shops, storage, and parking will be built during initial construction of the plant. The relocation of the Public Works functions could then be phased in in the future.



FIGURE ES-6:
SOUTH BAY BOULEVARD
WRF SITE VICINITY

WHAT FACILITIES ARE NEEDED TO CONVEY THE CITY'S WASTEWATER TO THE NEW SITE?

All of the City's wastewater is currently conveyed to the existing WWTP. With the WRF in a different location, it is necessary to intercept the City's wastewater to convey it to the new site.

A number of alternatives were considered. Ultimately it was determined that the most cost-effective and least impactful to the community and environment option would be to intercept the wastewater in close proximity to the existing WWTP and to construct a pump station to convey the flows to the new WRF. The schematic in Figure ES-7 depicts this concept.

PUMP STATION SITE

A number of pump station sites were evaluated as part of the FMP as shown in Figure ES-8. Preliminarily the list of candidate sites was reduced down to two, 1A and 5A. These are desirable because they provide the most cost-effective locations by simplifying the piping needed to connect them to the existing City collection system. They also offer the advantage of already being City owned sites, so no site acquisition cost would be incurred. The final site selection will occur as part of preliminary and final design.

This location is in the mapped floodplain under a predicted storm surge or tsunami event. The structure will be designed so that the entry level to the station is above the floodplain elevation. The

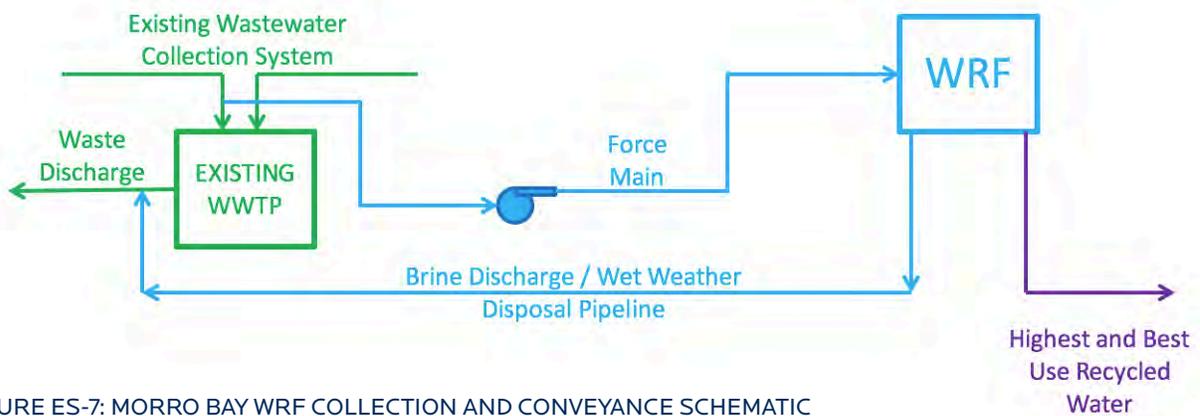


FIGURE ES-7: MORRO BAY WRF COLLECTION AND CONVEYANCE SCHEMATIC

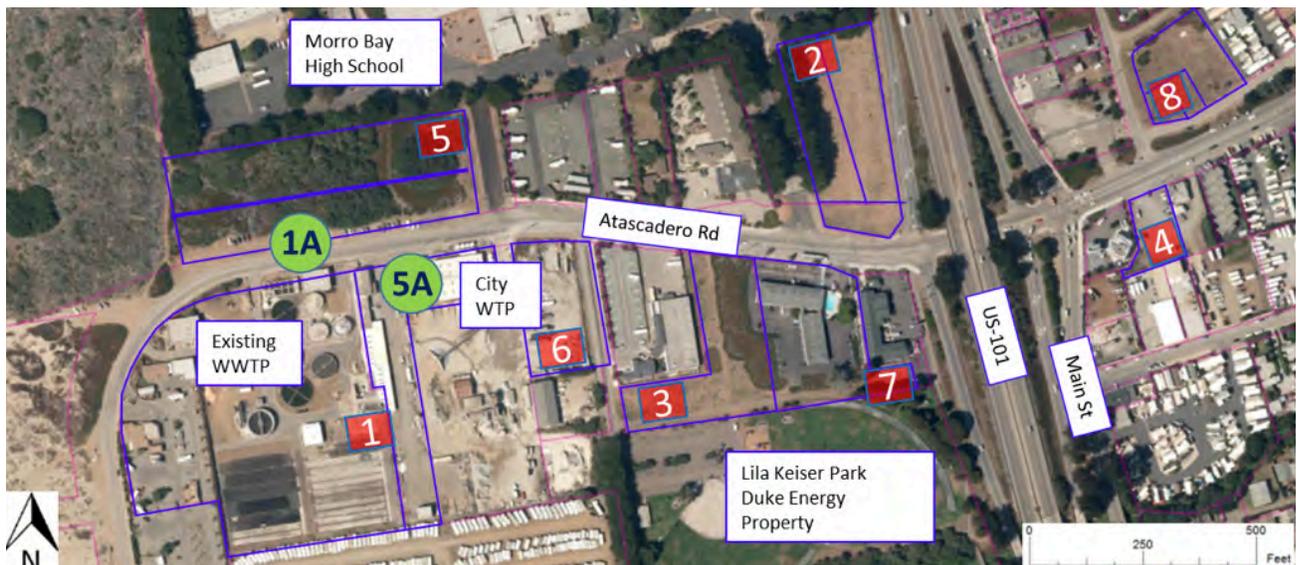


FIGURE ES-8: PUMP STATION SITES EVALUATED IN FMP

California Coastal Commission has been consulted regarding this aspect of the project, and has indicated this approach can be permitted if conventional floodproofing measures are applied.

PIPELINE ALIGNMENT

In addition to the pump station, a force main pipeline is required to convey the wastewater to the new WRF. As shown in the schematic diagram above (Figure ES-7), there will also need to be at least 1 additional pipeline to serve as a discharge line for wet weather events and for liquid waste streams (or brine) from treatment processes. This latter pipeline will connect the WRF to the existing ocean outfall.

Several alignments were considered for the new mains. An alignment in Quintana Road was selected as shown in Figure ES-9. This alignment is more accessible for operations and maintenance, is less environmentally impactful, and provides lower pumping cost.

WHAT HAPPENS TO CAYUCOS?

The existing WWTP is jointly owned by the City of Morro Bay and the Cayucos Sanitary District (CSD). The City has consistently maintained a willingness to continue its partnership with CSD in a facility to serve both communities. Both parties are under the same mandate to relocate the existing WWTP.

At this time, CSD is currently planning its own new wastewater treatment facility, for which it will be the sole owner and operator.

WHAT HAPPENS AT THE EXISTING SITE?

The existing WWTP will remain in operation until both the WRF and CSD's new facilities are commissioned. The City and CSD will jointly develop a plan to decommission the existing WWTP. That plan is not yet defined.



FIGURE ES-9: PRELIMINARY PIPELINE ALIGNMENT (WEST ALIGNMENT OPTION - QUINTANA ROAD)

WHAT WILL THE WRF LOOK LIKE?

To establish a preliminary architectural style for the WRF, workshops were held with the community to obtain input and ideas. The architect for the project also conducted a review of the areas nearby to the WRF site to ascertain styles that could be compatible with the surrounding area. The community ideas and architectural evaluation were discussed in meetings with City staff to determine a preliminary architectural style that would be compatible with the surrounding community, acknowledge community input, and would provide an attractive and cost-effective to build and maintain style compatible with wastewater treatment facilities.

Based on this input and evaluation, the selected architectural style is agrarian. If carried forward in detailed design and construction, the buildings would be styled to look like a farm or dairy. The color scheme

would be similar to other buildings on the corridor between the California Men's Colony and Morro Bay, notably Cuesta College and Camp San Luis Obispo.

The WRF will be located north of Highway 1. In this location, it can only partially be seen from the highway. Figure ES-10 depicts a visualization of the WRF from Highway 1 just east of South Bay Boulevard. From this vantage point, only the entrance area is visible.

Figure ES-11 provides a visualization of the WRF after construction of Phase 1, looking straight down on the site. The treatment process areas are to the right side. These areas are not visible from most vantage points typically available to the public. The area to the left is the Operations and Administration Building, and maintenance and storage areas associated with the WRF. The remainder area would be set aside for other City functions if the City decided to move them to this site in the future.

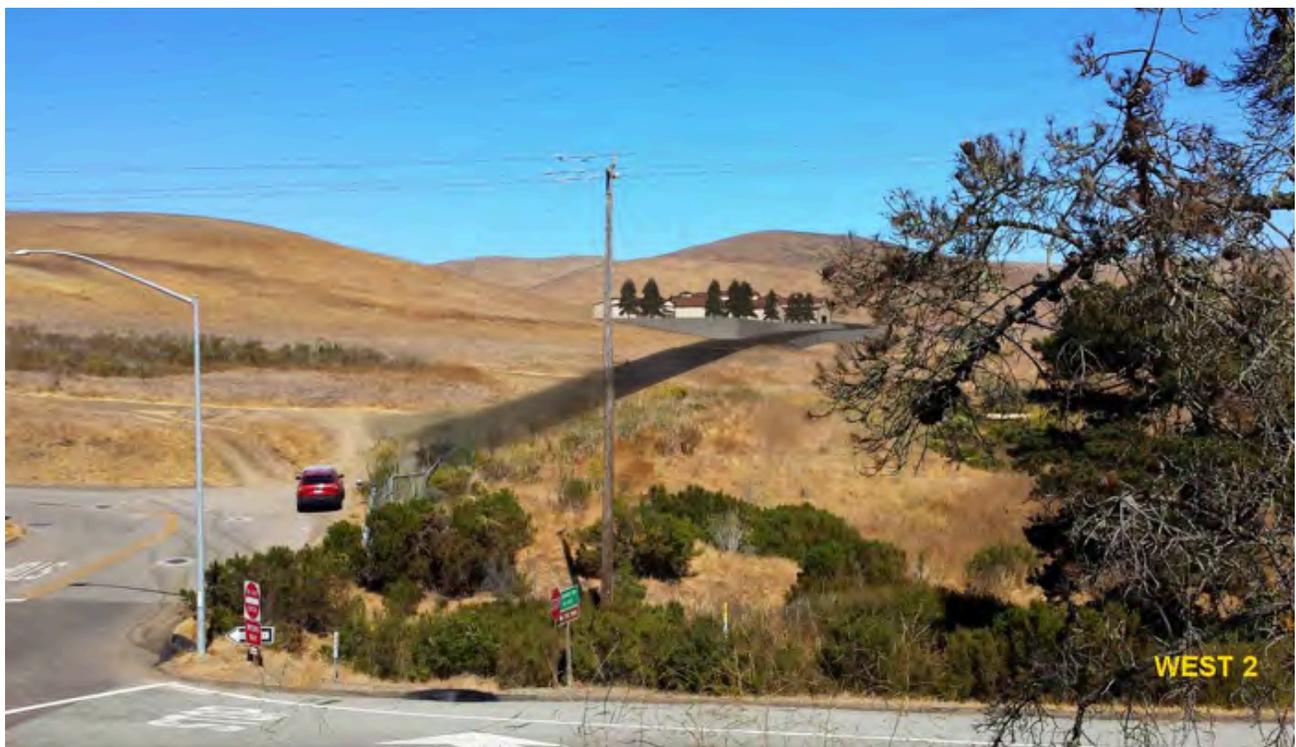


FIGURE ES-10: VISUALIZATION OF WRF FROM HIGHWAY JUST EAST OF SOUTH BAY BOULEVARD

Figure ES-12 provides a visualization of the WRF looking south, back toward the City. Morro Rock and the power plant are visible in the background. This is a vantage point that is not available to the public, but gives an overall perspective of how the plant might be designed. It is important to note that the final architectural style and arrangement of the WRF site will be developed during final design. The versions

developed in the FMP are conceptual and provide a basis to undertake environmental and regulatory permitting and to continue to engage with community stakeholders to identify and address concerns. This figure provides a visualization of how the WRF site could appear if other City operation and maintenance functions were to be located at the site in the future.



FIGURE ES-11: PHASE 1 WRF SITE PLAN



FIGURE ES-12: WRF LOOKING SOUTH TOWARD MORRO BAY

WHAT WILL THE PROJECT COST?

The FMP provides engineer's opinion of probable construction costs for the Conventional Treatment Option and the Combined Secondary/Tertiary Treatment Option. The project has been broken into two phases. Phase 1 of the project includes all necessary treatment through tertiary treatment as shown in figures ES-4 and 5. The planning level cost of these facilities for Phase 1 is in the range of \$118 million to \$120 million. These values include the costs for the treatment facilities themselves, the associated operations and maintenance facilities, access road and site improvements, and filtration and disinfection facilities needed to provide tertiary disinfected wastewater per the Community Goals. This budget also includes the offsite pumping and conveyance

facilities to bring the City's wastewater to the WRF, and to provide an emergency and waste discharge pipeline back to the existing ocean outfall. Finally, these budgets include engineering and design costs, and a 25% contingency.

The budgetary cost for an advanced treatment system for Phase 2 to support the highest and best uses for the reclaimed water, would cost another \$14.5 million. These costs do not include procurement of consultants and contractors, planning, permitting, or development of the recycled water system to store and deliver water. These costs will be developed through the Master Water Reclamation Plan.

SO WHAT'S NEXT?

FY 2016/2017

FY 16/17 activities are primarily planning, permitting, and procurement of consultants for elements of the Phase I WRF. Specific objectives include completion of the Facility Master Plan, Master Water Reclamation Plan, technical studies and initial drafts of the Environmental Impact Report, and procurement of a State Revolving Fund Planning and Design Loan.

The anticipated schedule for significant milestones and Council decisions is summarized below, as reported to Council on October 25, 2016, and all critical path efforts are on schedule.

TABLE ES-5

ITEM	DATE
Draft Final Facility Master Plan	December 2016
Draft Master Water Reclamation Plan	March 2017
Confirmation of Phase I and Phase II WRF Budget	April 2017
Council Selection and Award for Phase I WRF Offsite Improvements (Lift Station and Pipelines)	April 2017
Request for Qualifications (RFQ) for Design/Construction of Phase I WRF Onsite Improvements	June 2017
Release of Public Draft EIR	August 2017
Request for Proposals (RFP) for Design/Construction of Phase I WRF Onsite Improvements	October 2017
Certification of Final EIR (Critical Timeline for Grant Pursuit)	November 2017
Negotiation/Award of Contract for Phase I WRF Onsite Improvements	May 2018
Award of Contract for Construction of Phase I Offsite Improvements (Lift Station and Pipelines)	April 2019
Completion of Phase I WRF Improvements	May 2021

- **Membrane Bioreactor (MBR).** Similar to SBR, the MBR would provide biological treatment steps. The MBR also integrates the filtration step needed for tertiary treatment. UV disinfection would also be provided.

The FMP investigated opportunities to reduce costs for the project through onsite composting or power generation from biosolids. Neither opportunity presented a cost advantage. Therefore, it is anticipated that the City will continue its current practice of engaging a contractor to retrieve biosolids for regional composting operations.

Site Planning

The preliminary architectural concept is to construct farm or dairy style buildings for the WRF. The recommendation is for a color palette similar to buildings along Highway 1 between the California Men’s Colony and Morro Bay. A landscaped screening is also envisioned near the entrance to the WRF. The general recommendation is to provide a facility that visually blends well with the surrounding landscape.



Construction Cost Opinions

The cost opinion is \$119M for design engineering and construction of the Sequencing Batch Reactor alternative, and \$120M if a Membrane Bioreactor system is pursued instead. For advanced treatment (which includes reverse osmosis, an additional UV system, and a hydrogen peroxide feed system, recycled water pumping, and recycled water storage to meet requirements for indirect potable reuse), the estimated cost is \$14.5M. These opinions include a contingency of 25% of construction cost. These costs do not include recycled water pipelines, injection wells, recycled water services, construction management, procurement, planning, permitting, or environmental mitigation. It is anticipated that these offsite recycled water project elements and support services will add approximately 13 to 28% (or \$15 to \$33M) to the baseline cost of the WRF. This would bring the total estimated project cost to \$150 - \$168M. This project will have an impact to sewer rates bringing the average combined sewer/water bill to approximately \$180 to \$230/month. At this time, the range of possible reuse alternatives is the major source of variation in the total cost opinion. Detailed recycled water costs will be developed through the ongoing Master Water Reclamation Plan, allowing the City to refine the program budget.



AGENDA NO: B-2

MEETING DATE: January 18, 2017

Staff Report

TO: Public Works Advisory Board **DATE:** January 12, 2017
FROM: Rob Livick, PE/PLS – Public Works Director/City Engineer
SUBJECT: Goals and Objectives

RECOMMENDATION

Staff recommends the Public Works Advisory Board (PWAB) Review FY 16/17 Work Program, the current FY16/17 goals and objectives and provide recommendations to City Council on future goals and objectives.

FISCAL IMPACT

No impact at this time.

DISCUSSION

I. Work Program

As part of the Fiscal Year 2015/2016 Goal setting process, the City Council work programs for all the City's advisory bodies.

The PWAB work plan included the following items:

- ~~Street Summit~~
- ~~Traffic Calming~~
- ~~41/Main Street Intersection Funding~~
- ~~Bike Needs~~
- ~~Construction Timing~~
- ~~Market Street Bluff / Centennial Parkway Area Revitalization~~
- *ADA Compliance Improvements*
- *Harbor Maintenance*
- **Improve Trash Collection and Public Restroom Cleaning**
- **Tree Trimming**
- **Vehicle Replacement**
- **Facility Maintenance Program**
- **State Water Planning**
- *"One Water" Planning*
- **Desal Location**

Currently, the items with strike through are complete, italics are rescheduled and bold are on going.

Prepared By: RL

Dept Review: RL

II. 2016/2017 City Goals and Objectives

During the 2016'2017 Goals setting process, the City Council confirmed its 10 City Goals and adopted approximately 80 objectives that they wanted to accomplish during the year. The following items are from the City's adopted Goals and objectives as related to Public Works:

Goal #1 - Develop New WRF

- a. Public Participation. Continue to pursue robust public input on site design and aesthetics opportunities/process associated WRF project, site and ancillary facilities.
- b. Property Acquisition. Complete property appraisal, make first earnest money payment, and close on property.
- c. Facility Master Plan. Complete the facility master plan.
- d. Complete the Master Reclamation Plan. Make initial, then final determinations on reclamation options for the water reclamation component of the facility and approve the master reclamation plan.
- e. Environmental Review. Complete and certify environmental review.
- f. SRF Loan Application. Complete state revolving fund (SRF) construction loan application.
- g. Grant Funding. Investigate and pursue additional Proposition 1 grants applicable to the WRF project.
- h. Annexation. As part of the GP/LCP process, evaluate possible annexation of property acquired for the WRF and bring to Council for decision.
- i. Construction Delivery Decision. Bring to Council for decision the method of procurement to be used for construction of the WRF.
- j. Construction RFP. Issue a Request for Proposal to pre-qualify design-build or builder teams, dependent on procurement method, to participate in the bidding process.
- k. Construction Contract. Issue a design-build or other design/construction contract approved by Council.
- l. Cayucos Participation Decision. Bring to Council for decision final throughput design / construction requirement based on Cayucos CSD decision on participation in the MB WRF project.
- m. Cayucos Decision. Work with the Cayucos Sanitary District to frame decision regarding future ownership of shared property at existing WWTP site.
- n. City Corporation Yard Transition. Complete design and identify funding requirements for possible City corporation yard component of the WRF project.
- o. Improve Influent Quality. Research and bring to Council for decision various options, from incentives to ordinances, to improve the quality of influent at the new WRF to decrease treatment costs.

Goal #2 - Improve Streets

- a. 2018 Ballot Initiative. Research and bring to Council for direction, the process and preparatory actions required to include a streets funding revenue measure on the Nov. 2018 ballot. (Clarified this refers to a ballot initiative)
- b. Traffic Calming. Complete 2-3 traffic calming projects at appropriate locations as dictated by the circulation element of the general plan. Include San Jacinto/Main for primary consideration. (Included specific projects – moved from the Goal 4)
- c. 41/Main Street Intersection Funding. Research options and bring to Council for decision the required 50-percent local match (~ \$2M) to the Highway 41, Main Street and Highway 1 (ramp) Intersection improvement project. (Moved from Goal 4, otherwise unchanged.)
- d. Traffic Signs. Replace 20% of non-conforming traffic signs.

- e. Traffic Markings. Refresh Street markings, focusing on cross walks and legends , in the down town, embarcadero, north Main and routes to school.
- f. Bike Needs. Complete specific items from the unmet bike needs list that are funded in the FY16/17 budget process. Include Highway 1 and Yerba Buena, Bike Parking at public buildings, and traffic calming on San Jacinto for primary consideration. (If not completed in 2015/16, also complete the Class 1 path from Lemos to Cloisters, San Jacinto and Main bike safety, and installation of Bike Friendly Community signs.)
- g. Bike Lane Painting. Bring to Council in the budget scaled proposals for green painting various bike lanes including extensions through intersections, as appropriate.
- h. Construction Timing. Reasearch and bring to council for consideration actions to remove existing City-imposed restrictions on timing of street work so that some paving, patching and painting work can be performed at appropriate times during shoulder and summer seasons.

Goal #4 - Maintain Core Public Safety Services

Speed Survey. Update citywide speed survey to determine appropriate safe driving speeds for all streets.

Goal #5 - Ensure Fiscal Sustainability

Vehicle Replacement. Determine City vehicle requirements, then determine replacement costs over a 15-year period to estimate the total costs required to fund replacements on an annual basis.

Goal #7 - Improve City Infrastructure, Facilities and Public Spaces.

- a. Market Street Bluff / Centennial Parkway Area Revitalization. Begin a public process and bring to Council ideas for revitalization of the city owned properties adjacent to Centennial Parkway, including the Front Street parking lot, the Branigans / Distasios building, and the City-owned parking lot at Market and Pacific.
- b. Implementation of Concept Plans. Depending on public input and funding, complete design, research funding tools and begin implementation work on various projects including Centennial Parkway revitalization, Embarcadero Promenade, and the area including 781 Market Ave / Front Street Parking Lot and the parking lot at Market and Pacific.
- c. Parking Management Plan. Implement specific parking management improvements directed by Council resulting from the 2015/16 Parking Management Plan review.
- d. ADA Compliance Improvements. Complete \$50K of ADA compliance improvements, or as set by the FY2016/17 budget.
- e. Signage and Branding. Install new welcome, wayfinding and street signs based on updated city "branding" resulting from the Vision / Values and DWSP projects.
- f. Improve Trash Collection in Public Areas. Research and bring to Council a proposal to increase the frequency of public trash collection in public areas.
- g. Tree Trimming. Research and bring to Council for direction a proposal to increase the frequency of tree trimming in the downtown from ~5 years to ~2 ½ years, while continuing City tree management and planting consistent with the Urban Forest Management plan.
- h. Community Beautification. Budget depending, implement specific Community Heritage and Beautification Committee recommendations including installing permanent aesthetic lighting in downtown street trees, providing direct City support to the Hidden History interpretive panel project, and Vet's Hall turf removal / garden installation.
- i. ESH Fencing. Fence the Environmentally Sensitive Habitat (ESH) between the Embarcadero dirt extension and the Morro Bay Power Plant property in the same manner as the ESH fencing on the opposite side of the road.
- j. City Hall Functional Improvements. Complete partial remodeling of MB City Hall.

- k. Facility Maintenance Program. Update the Facility Maintenance Program using priority setting in time to influence the 2017/18 budget cycle. (MP Rec.)
- l. Develop and Implement a City "Integrated Pest Management" policy.

Goal #8 - Enhance Quality of Life

Pickleball Court Space. Research and present to Council opportunities for additional, future Pickleball court space.

Goal #9 - Improve Water Supply Diversification

- a. State Water Planning. Assess the long-term requirements for continued participation in the State Water Project, conduct initial determination what level of participation is appropriate, and identify timeline for contract renewal.
- b. Desal Permit. Submit permit application for full time use of the City desal plant as part of the City's water portfolio.
- c. Desal Location. Research and bring to Council for decision options to relocate the City desal plant.
- d. Planning. In concert with the GP/LCP update, complete Master Plans for Water Supply, Water System, Wastewater Collection, and stormwater as a "One Water" Plan.
- e. Conservation. Maintain Water Conservation Program funding and continue conservation programs and public awareness to meet State-mandated conservation requirements.
- f. CMC Emergency Exchange Agreement. Compete emergency exchange agreement with CDCR for CMC water.
- g. Morro Basin Management Planning. Bring to Council for decision whether to implement a basin management strategy under the State's Sustainable Groundwater Management Act (SGMA) criteria.

Goal #10 - Improve City Operations

GIS. Research and bring to Council for decision options for providing comprehensive geographic information system data for both internal and customer serving applications.

III. 2017/2018 City Goals and Objectives

Council directed staff to begin a community discussion that will result in the City Council adopting our City of Morro Bay Program / Budget Objectives for the Fiscal Year (FY) July 2017 – June 2018.

Council study sessions in January 2017 and Council agenda items in February 2017, both informed by robust community input, will result in the City's 2017/18 Program / Budget Objectives.

The objectives associated with each goal identify a number of specific objectives the City intends to accomplish in the July 2017 to June 2018 time period. Accomplishing those objectives, however, is dependent on adequate resourcing – both staff time and money. Thus, some objectives may not be completed if adequate resources are not allocated during the fiscal year 2017/18 budget process. The following cut from the City's strategic planning framework (attached) provides some additional explanation on how objectives fit into our goals and core tasks:

- **City Core Tasks.** *Core tasks are functions that we should always be doing well and they should be addressed in our City mission statement. A core task might be: "Maintain City Infrastructure", or "Provide Public Safety."*
- **City Goals.** *Goals are broad projects we want to accomplish over a long-term (4-6 year) period, usually because they are big enough and broad enough they can't be accomplished in a year or two. An example of a goal is: "Improve Streets."*

- **City Objectives.** Objectives are specific, discreet, medium-term (1-2 year) projects that support a more general goal, are feasible and achievable if appropriately resourced, and can be directly budgeted against. An example of a “City Objective” for the “Goal: Improve Streets” could be: “Resurface 10% of streets in FY 18.”

City staff intends to develop simple action plans, including milestones and basic metrics, for each adopted objective. Thus, objectives should be discreet and measurable.

The January 10th study session resulted in general Council consensus on the following items:

- Reduce the number of goals and objectives
- Objectives to be voted onto the list rather than off, i.e. start with a blank slate
- Provide a short descriptor for each goal
- Additional departmental internal objectives that we work on but that don’t show up on city goals, ie Normal Operational Work Program
- Conduct a Saturday goals workshop for public input on draft and assistance prioritizing

Staff is encouraging community input consistent with Council direction at the Dec 13 Council meeting, including:

- Sending a full page, color, “Help Steer Your City” mailer to the account holders of ~5500 utility account holders in Morro Bay. (essentially, every resident, business owner or property holder who receives a water/sewer bill will receive the mailer in early January.)
- Setting up a special goals@morrobayca.gov email address to receive input directly from community members.
- Putting a “Help Steer Your City” update on “Hot Topics” on the City webpage.
- Informing the community of the upcoming goal-setting sessions using the City’s Facebook page.
- Bay News article informing the community of the ongoing process to be published on 1/12.
- City Newsflash informing the community of the ongoing process.
- Based on council guidance, staff is prepared to set up a survey using Survey Monkey after the first goal setting session to get community input on items discussed at that session.

Some members of the PWAB have included a list of potential Goals/Objects to staff prior to the publication of the report for the consideration of the board and include the following:

1. Increase the level of street lighting in the City to increase the safety of pedestrians, cyclists and motorists.
2. Finish WRF include anaerobic digester, exclude Cayucos or obtain commitment.
3. Repair streets, dedicate larger portion of city revenues to streets.
4. Fiber optic high speed internet access for all businesses and citizens.
5. Smart Water Meters installed for all and monitored as network.
6. Do billing for city services in house
7. Identify water wasters and assist in lowering their bills
8. Roundabout at 41 and Main St.
9. Remove all telephone poles and bury cables.
10. Identify Traffic arteries traffic count volume as well as feeders.
11. Solicit investors for Centennial Stairway.
12. Plan for Dynegy facility use. (maritime museum, office complex for high tech
13. Plan for property area around Dynegy

14. Bridge arched walkway over harbor to Sand Spit to enhance tourism.
15. Wind Turbines off shore to increase city income and enhance fishing.
16. Increase water storage to 4 days.
17. Divert and save water runoff to ponds or tanks to enhance water table.
18. Create Morro Bay ISO (independent systems operator) to manage electricity.
19. Permit residential small wind turbines.
20. Something fun to do for kids with tourists.
21. 40 foot + Ferris wheel next to Rock.
22. Parking garage on east side of embarcadero.
23. Establish paid parking on embarcadero after 1hr. like slo.
24. Pave lot next to Morro Rock, sell parking for close parking.
25. Widen parking lot on south side of rock so emergency vehicles can turn around, leave gate open
26. Walkway on harbor side of embarcadero
27. Increase use of Desalination plants.
28. Remove ineffective stop signs and other unwarranted traffic control devices.
29. Neighborhood energy collectives for sharing wind and solar power.
30. Complete streets for bicycles and pedestrians.
31. Bike connection to Cayucos and Los Osos.
32. Disc Golf goals at Del Mar and Cloisters park.
33. Involve more residents, Register 90% of citizens with the city, talk about registration at all meetings.

ATTACHMENTS

1. Public Correspondence submitted regarding City Goals, to date of the January 10, 2017 City Council meeting.



AGENDA NO: I

MEETING DATE: January 10, 2017
4pm Special Meeting
Goals Study Session

**THE FOLLOWING PUBLIC CORRESPONDENCE
WAS RECEIVED BY THE CITY COUNCIL
FOLLOWING POSTING OF THE AGENDA**

Dana Swanson

From: Nick Jerkovich [REDACTED]
Sent: Thursday, January 05, 2017 9:28 PM
To: goals
Subject: Fwd: Goals 2017

1. Reduce overhead telephone, cable wires. Enact an ordinance to make utility companies responsible for securing loose cables, removing old unused cables. If they don't comply charge them. This is a huge eyesore for the neighborhood.
2. Build a barrier between main st and highway 1. This is very dangerous as highway travelers can easily plow through fence. Also, the fence is an eyesore.
3. Build a cement skatepark where the old miniature golf course is or by the rock by the old location or the old elementary school. This is needed for kids to have an outdoor activity, a place to socialize and be active. The slo park is crowded. We need one in our backyard!
4. Fix the streets. Ironwood, Avalon, Elena, etc. are horrible.
5. Put a roundabout on main and Atascadero 41 intersection. The roundabout on morro bay blvd works well and keeps traffic moving.
6. Provide an underground tunnel to access beach from other side of freeway. Would add value to neighborhoods on opposite side of beach tract.
7. Plant more trees
8. Come up with a plan to bury power lines.
9. Public pool
10. Create more public multi-use trails. Maybe behind Delmar park up the creek and back in the hills. Would be great to have local mountain biking trails easily accessible from north morro bay. Chevron land?

Thanks!

Nick

Sent from my iPhone

Dana Swanson

From: Ron Reisner <[REDACTED]>
Sent: Saturday, January 07, 2017 2:06 PM
To: Jamie Irons; John Headding; Matt Makowetski; Marlys McPherson; Robert Davis
Cc: Dave Buckingham; Dana Swanson; Alexander, Homer
Subject: City Goals and Objectives Process
Attachments: Goals 2017-18-Format change suggestions -.pdf

Please refer to the attached Memo from Homer Alexander and myself.

Thank you, Ron

TO: Mayor Irons and Morro Bay City Council Members
FROM: Homer Alexander
Ron Reisner
DATE: January 7, 2017
SUBJECT: City Goals & Objectives Process

We recommend that you consider altering the current structure of the goals/objectives process.

There were eighty-nine (89) goals approved for the fiscal year ending June 2017. Of these some were: 1) meaningful short term goals; 2) goals that were long term projects which require multiple years to complete; and 3) goals that should have never been included for a City Council review, because they were tasks which should be completed as part of various City Department's day-to-day functions and/or responsibilities.

In our opinion there were too many items on the current year's list to be properly managed and/or achieved.

It seems to us that the utilization of taxpayer dollars for City staff time and consultant time, as well as the use of City Council time, should be predicated on realistic and achievable City Goals and Objectives. There are infinite possibilities for City goals and objectives at any point in time. The overriding goal should be to identify incremental goals and objectives that will produce results that benefit the residents, and can be realistically achieved over a defined period to time. Other "Blue Sky" goals may be interesting to contemplate, but do not justify the incremental outlay of taxpayer dollars, or the City Council's time in reviewing them during formal meetings.

Our suggestion would be to create two lists, one for objectives and one for goals. The first list (objectives) would include only projects that have a reasonable chance of being completed by June 2018. The second list (goals) would include long term projects, i.e. projects requiring multiple years to complete.

Suggested Definition of Near Term Goals – i.e. "City Objectives"

- It is our belief that each Department should have no more than four objectives, each of which could be executed in the stated time frame.
- The objective must be adequately funded during the 2017/18 City budget process, or it would be removed from the list.
- Items that should be completed as part of a City Department's day-to-day functions and/or responsibilities would NOT be included. Example: 2016 Goal 2.f. - Refresh street markings.
- Objectives to be completed no later than the end of the 2017/18 fiscal year.
- Department Heads responsible for their specific objective(s) would sign off on the objective prior to the final list being approved. The success or failure of each Department's objectives included in the final list would be included in the Department Head's annual review.

Suggested Definition of Long Term Goals – i.e. "City Goals"

This set of goals would include projects to which the City commits, but require more than one fiscal year to complete. This list would include only items which for which funding has been committed, or where a **realistic potential** source of funding has been identified. The funding does not necessarily need to be secured, but it must have been identified, and must be realistic. A goal item could be added once a solid source of potential funding is identified.

It is generally assumed that senior managers can spend no more than 5% of their available working hours pursuing long term goals. The January 3, 2016 staff report defines the time required for completion of these goals as four to six years. Since the City of Morro Bay's table of organization has only one senior manager (i.e. the City Manager), there should be no more than five goals on this list, to ensure a reasonable chance these goals can be achieved.

By developing two separate lists of objectives and goals, Department Heads, under the direction of the Deputy City Manager, can concentrate on the objectives that pertain to the specific Departments. Removing these short-term projects from the City Manager's oversight would allow the City Manager to concentrate on developing strategies for completing the City Council's defined long-term goals.

c: David Buckingham
Dana Swanson

Dana Swanson

From: [REDACTED]
Sent: Saturday, January 07, 2017 2:34 PM
To: goals
Subject: Trash cans in north Morro Bay

Sent from my iPhone

- >
- > There are NO pubic trash cans along Main St. in north Morro Bay. It
- > should be one of the goals in 2017.
- >
- > Sent from my iPhone=
- >

Dana Swanson

From: jeanne frye [REDACTED]
Sent: Saturday, January 07, 2017 4:11 PM
To: goals
Subject: ideas

Hi,

I am writing in regards to the letter asking for ideas.

What about offering a program to high school students where they could follow around a city employee one day a week. Hopefully this could help students get an idea what they want to do for a living and maybe the city could benefit from student aids

Kind regards,

Jeanne

Dana Swanson

From: Katrina Alexy Dot Com [REDACTED]
Sent: Saturday, January 07, 2017 7:03 PM
To: goals
Subject: Goals

Here are some goals I would like to see reached:

Create a historical overlay zone in the Heights area of Morro Bay preserving and protecting a section of the historical bungalows, cabins, vintage beach homes. This is to preserve an area that high lights the area's past and creates a small pocket for tourists to enjoy and get a taste of a simpler time ensuring Morro Bay preserves some of it's post WWII architecture.

Reduce the glare of the newly installed street lights that are too bright. These lights are far too invasive and there are many more options for energy efficient "warmer" light bulbs.

Thank you.
Katrina Alexy

Sent from my iPhone

Dana Swanson

From: Lynda Merrill [REDACTED]
Sent: Sunday, January 08, 2017 10:24 AM
To: goals
Subject: Quality of Life

Dear Goals preparer: Please add the following:

Please forgive me but I don't know and can't seem to find a list of improvement of our Quality of Life goals that would indicate we as a City will recognize our precious wildlife, specifically our sea otter with a day of appreciation?

Eliminate the fireworks permit as this activity is unhealthy for our wildlife, birds and animals are hurt and injured and need to be taken to Pacific Wildlife care center after these fireworks 'are shot off'. Also , people with Autism are scared by the booming noise/flashes of light, and seniors are upset with the activity.

Shooting birds in our bay needs to be reexamined as our population of tourists and locals who enjoy our bay, bird watching, kayaking, boating and killing birds in the bay seems to be an activity of the past. Our City needs to oppose this activity.

thank you, Lynda Merrill

Dana Swanson

From: J House [REDACTED]
Sent: Sunday, January 08, 2017 11:14 AM
To: goals
Subject: Goals and Objectives - input

You need to cut down the number of annual goals and objectives. Having 10 goals and a total of 89 objectives for the year results in nothing but a laundry list of things. This does nothing to focus the city's limited staff and financial resources. Your annual goals and objectives should give both the city staff and financial resources focus!

A well functioning organization has 3-5 goals and no more than 10-15 total objectives.

Janice House
resident, Morro Bay

Dana Swanson

From: WILLIAM WOODY [REDACTED]
Sent: Sunday, January 08, 2017 1:36 PM
To: goals
Subject: Topics @ upcoming meetings we would like addressed

We would like an update on code enforcement, and what has been accomplished. My surrounding neighbor still has boats and RV's in the driveway. A lot of the downtown retail stores have their windows covered in advertising..... is this a code enforcement issue and can the City take care of this problem?

What is going to happen to the three stacks on the Duke Energy property? Could you give us an update.

We would like to see more recycling bins.

Have you been in touch with our new congressman to see what funds Morro Bay could qualify for to help with the cost of our much needed infrastructure and the new sewer plant?

Graffiti is everywhere. Who is responsible for the removal? For instance the retaining wall between the church and Albertsons. If it's not the City's then is it the responsibility of the City to make whoever is responsible remove the graffiti?

When are the restaurants required to provide eight foot sidewalks in front of their establishment? Wasn't that a 2015 goal?

Is it necessary for the City Manager to have two (or is it three) people to assist him in his job, when our town is only 10,000 plus. That could save the City money if he would handle his job in its entirety. The money could be used to repair sidewalks.

What is the City paying the outside law firm? Could you bring the exact figures with you to the meeting. How much money would be saved with a full time City Attorney.

Bill and Toni Woody

Sent from my iPad

Dana Swanson

From: Lori Kudzma
Sent: Monday, January 09, 2017 8:22 AM
To: Dana Swanson
Subject: FW: Addition to Objectives Workshop Packet
Attachments: 2017-18 Unmet Needs List.pdf

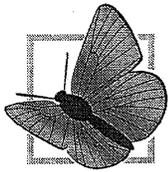
From: Walter Heath [mailto: [REDACTED]]
Sent: Friday, January 06, 2017 8:03 PM
To: Lori Kudzma <lkudzma@morrobayca.gov>
Subject: Addition to Objectives Workshop Packet

Hi Lori,

Please add the list of prospective objectives that was produced by the Citizens' Beautification and Heritage Committee (CBHC) to the January 10 meeting packets for members of city staff and city council. The CBHC consists of representatives from the following groups: Morro Bay Art Association, Morro Bay Public Art Foundation, Historical Society of Morro Bay, Guerrilla Gardening Club, Morro Bay Citizens' Bike Committee, Morro Bay Chamber of Commerce, Morro Bay in Bloom, CMB Public Works Department, CMB Public Works Advisory Board, and the public at-large. The minutes of CBHC meetings are submitted to the Public Works Advisory Board.

My apologies for the late submission.

Best,
Walter Heath
Chair
[REDACTED]



MORRO BAY
Citizens' Beautification
& Heritage Committee

The mission of the Citizens' Beautification & Heritage Committee is to facilitate the efforts of volunteer organizations and the City of Morro Bay (CMB) to enhance the quality of life of Morro Bay's residents and visitors through the creation of welcoming spaces and the preservation of our city's heritage.

2017-18 Unmet Beautification and Heritage Preservation Needs: Priority Needs

Public Art

- 1.) Request of city staff to investigate options of assessing contractors of municipal-construction projects 1% of the bid amount to a fund for public-art projects. **2017-18 Funding Need:** City staff time.
- 2.) Request of city staff to develop, with public input, a public-art master plan that includes an inventory of all current public art and a plan for maintenance and conservation of existing art. **2017-18 Funding Need:** City staff time.

Parks

- 1.) Request of city staff to determine the extent to which existing adopt-a-park agreements are still valid and to review the language of these agreements for the applicability of current liability and safety regulations, scope of work and the expectations of the parties involved. **2017-18 Funding Need:** City staff time.
- 2.) Request of city staff to conduct an inventory and needs assessment for the repair and replacement of equipment and fixtures in public restrooms, public showers and related signage and to publicly report the outcomes. **2017-18 Funding Need:** City staff time.
- 3.) Request of city staff to formally establish a city park in honor of Franklin Riley at the proposed location. **2017-18 Funding Need:** City staff time.

Heritage Preservation

- 1.) Request of city staff to develop and draft a historic-building recognition and preservation ordinance. **2017-18 Funding Need:** City staff time.

Overall Impression and Tidiness

- 1.) Request of city staff to request proposals for the development of graphic design standards for signage purchased by CMB in order to convey Morro Bay's identity and ensure a consistent presentation of that identity across all forms of directional and informational signage purchased by CMB. **2017-18 Funding Need:** Contract for design services.
- 2.) Request of city staff to coordinate a no-smoking in public places campaign with San Luis Obispo County Tobacco Control Program to help enforce existing municipal-code smoking restrictions and address cigarette-butt litter pollution. **Coalition partners:** Morro Bay National Estuary Program and Morro Bay Art Association (proposed for a school-based art contest to design campaign posters). **CMB role:** Reach out to San Luis Obispo County Tobacco Control Program to determine what resources are available to design and conduct a no-smoking campaign. Consider participating in National "Kick Butts Day 2017," www.kickbuttsday.org. **2017-18 Funding Need:** Funding, possibly from the Tobacco Control Program, to fund the production of campaign posters and to make media advertising buys, etc.

Landscaped Areas

- 1.) Request of city staff to manage the process of constructing a Peace Garden in place of the front landscaping at the Veterans' Hall, including request for design proposals that include specification of plant and hardscape materials and a reliable budgeted cost. **2017-18 Funding Need:** City staff time for preparation of RFP, pre-installation removal of lawn and ornamental plants, and installation of appropriate irrigation and hardscape (per the winning design). Volunteer groups could install the plants. A budget for materials and any contracted labor would need to be proposed and approved.
- 2.) Request of city staff to manage the process of constructing a view deck at the western end of Surf Street and a new stairway connection to Front Street in order to correct unsafe conditions at those locations. **2017-18 Funding Need:** A budget for the project would need to be proposed and approved.
- 3.) Request of city staff to coordinate with San Luis Coastal Unified School District the process of constructing a welcoming space between the dirt parking lot and the western driveway for the high school. This area eventually will be the entrance area to the community swimming pool. The principal of the high school is interested in a partnership with the City of Morro Bay to design and complete the project. **2017-18 Funding Need:** City staff time.

Urban Forestry

- 1.) Request of city staff to improve the existing interactive online walking tour of heritage trees by increasing access to the tour as a smart-phone application that can be publicized to visitors and residents. **2017-18 Funding Need:** City staff time.

Environmental Efforts

- 1.) Request of city staff to consult with California State Parks on the cost of a dunes-restoration project on city property adjacent to the bike/pedestrian bridge and extending to Atascadero Road on the north and Coleman Park on the south. **2017-18 Funding Need:** City staff time.

Gateway Improvements

- 1.) Request of city staff to prepare for prospective federal "shovel ready" infrastructure funding to improve the gateways at the northern and southern boundaries of the city and to improve the appearance of the Highway One corridor from Zanzibar to the Morro Bay Boulevard exit. Other recommended improvements include a new service-organization sign with a "Welcome to Morro Bay" message and a mural at the Highway 1/41 overpass. **2017-18 Funding Need:** City staff time to develop pre-RFP information including budgets to make these projects "shovel-ready" for funding.

2016/2017
Public Works Advisory Board (PWAB)
Draft Work Program

Item	Description	Expected PWAB Review	Status
City Council 2016/17 Objectives			
Street Summit	Hold a "streets summit" to inform residents and work various street improvement approaches including financing and a possible funding revenue measure on the Nov. 2018 ballot.	<i>(Qtr 1)</i>	<i>Complete</i>
Traffic Calming	Review traffic calming projects at appropriate locations. Include San Jacinto/Main for primary consideration.	<i>(Qtr 1)</i>	<i>Complete</i>
41/Main Street Intersection Funding	Provide recommendations for the required 50-percent local match (~ \$2M) to the Highway 41, Main Street and Highway 1 (ramp) Intersection improvement project. (Moved from Goal 4, otherwise unchanged.)	<i>(Qtr 1)</i>	<i>Complete</i>
Bike Needs	Provide input on the unmet bike needs list that are funded in the FY16/17 budget process. Include Highway 1 and Yerba Buena, Bike Parking at public buildings, and traffic calming on San Jacinto for primary consideration.	<i>(Qtr 1)</i>	<i>Reschedule for Qty 3</i>
Construction Timing	Provide a recommendation to Council regarding existing City-imposed restrictions on timing of street work so that some paving, patching and painting work can be performed at appropriate times during shoulder and summer seasons.	<i>(Qtr 1)</i>	<i>Complete</i>
Market Street Bluff / Centennial Parkway Area Revitalization	Hold a public meeting for revitalization of the city owned properties adjacent to Centennial Parkway, including the Front Street parking lot, the Branigan's / Distasio's building, and the City-owned parking lot at Market and Pacific. Depending on public input and funding, review design on various projects including Centennial Parkway revitalization and the Embarcadero Promenade concept	<i>(Qtr 2)</i>	<i>Complete</i>
ADA Compliance Improvements	Review the ADA compliance assessment, recommend projects to complete (\$50K or as set by the FY2016/17 budget) for ADA compliance improvements	<i>(Qtr 2)</i>	<i>Reschedule for Qty 3</i>
Harbor Maintenance	Review and provide recommendations to City Council regarding transferring Harbor maintenance functions to Public Works.	<i>(Qtr 2)</i>	<i>Reschedule for Qty 3 or 4</i>
Improve Trash Collection and Public Restroom Cleaning	Provide recommendations to Council for funding proposals to increase the frequency of public trash collection in public areas and the cleaning of public restrooms	<i>(Qtr 3)</i>	<i>Ongoing in Director's Report</i>
Tree Trimming	Review the frequency of tree trimming in the downtown, that continues City tree management and planting consistent with the Urban Forest Management plan.	<i>(Qtr 3)</i>	<i>Planning</i>
Vehicle Replacement	Review City vehicle requirements, then determine replacement costs over a 15-year period to estimate the total costs required to fund replacements on an annual basis, provide recommendations to City Council.	<i>(Qtr 3)</i>	<i>Planning</i>
Facility Maintenance Program	Review the Facility Maintenance Program using priority setting in time to influence the 2017/18 budget cycle and provide recommendations to City Council	<i>(Qtr 4)</i>	<i>Planning</i>
State Water Planning	Review the long-term requirements for continued participation in the State Water Project, including what level of participation is appropriate in the long term.	<i>(Qtr 4)</i>	<i>Planning</i>
"One Water" Planning	Review the Master Plans for Water Supply, Water System, Wastewater Collection, and stormwater as a "One Water" Plan.	<i>(Qtr 1 or 2)</i>	<i>Reschedule for Qty 3 or 4</i>
Desal Location	Review the options to relocate the City desal plant.	<i>(Qtr 4)</i>	<i>Planning</i>
Routine Items			
WEU Evaluation	Evaluation and Recommendations to Council regarding WEU allocations	May-17	<i>Planning</i>
Budget	Review and provide Recommendations to Council regarding the Operating and Capital Budget	Apr-17	<i>Planning</i>