



**LOCAL PLANNING AGENCY BOARD AGENDA
REGULAR MEETING**

**Please register for Virtual Village Council Meeting on Jul 23, 2020 6:30 PM EDT at:
INVITE YOUR ATTENDEES**

Registration URL

<https://attendee.gotowebinar.com/register/2424495015758938894>

Webinar ID

854-899-875

**Thursday, July 23, 2020
6:30 PM**

Persons who need an accommodation in order to attend or participate in this meeting should contact the Village Clerk at (561) 965-4010 at least three (3) business days prior to the meeting in order to request such assistance.

1. CALL TO ORDER

2. ROLL CALL *Mayor Bev Smith, Vice Mayor Patti Waller, Mayor Pro Tem Gary Ready, Council Member Doug Gunther, Council Member Joni Brinkman, Village Attorney Glen Torcivia, Village Manager Richard Reade and Village Clerk Kimberly Wynn*

3. PUBLIC COMMENT *The public shall be limited to three (3) minutes to speak on agenda or non-agenda item(s)*

4. PUBLIC HEARINGS *Public Hearing for amending the Comprehensive Land Use Plan by revising the Future Land Use Map and amending the Official Land Development District Zoning Map of the Village by amending and rezoning the following properties in the Village of Palm Springs.*

- 4.1 Ordinance No. 2020-04 - Land Use Plan Amendment (Large Scale) - 2085 South Congress Avenue and 3243 Lillian Road (Proposed Palm Springs Residences Residential Planned Development) **(THE APPLICANT HAS REQUESTED THE APPLICATION BE WITHDRAWN)**
[Request from Applicant to Withdraw Applications Related to Palm Springs Residences](#)

4.2 Proposed Ordinance No. 2020-11 - Village Comprehensive Plan Text Amendment - Water Supply Plan Update

Motion	Second	Roll Call Vote
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[Proposed Ordinances No. 2020-11 - Comprehensive Plan Amendments - 10-Year Water Supply Facilities Work Plan](#)

[Proposed Comprehensive Plan Amendments - 10-Year Water Supply Facilities Work Plan \(Exhibit "A" to Ordinance No. 2020-11\)](#)

[Proposed 10-Year Water Supply Facilities Work Plan - July 2020](#)

[Proposed Water Supply Capital Improvement Projects - 10-Year Water Supply Facilities Work Plan.pdf](#)

5. ADJOURNMENT

Next Meeting

If a person decides to appeal any decision made by this Council with respect to any matter considered at this meeting, he will need a record of the proceeding, and that for such purpose he may need to ensure that verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.



Village of Palm Springs

Executive Brief

AGENDA DATE: July 23, 2020

DEPARTMENT: Administration

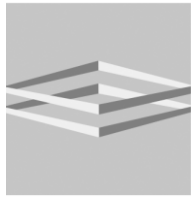
ITEM 4.1: Ordinance No. 2020-04 - Land Use Plan Amendment (Large Scale) - 2085 South Congress Avenue and 3243 Lillian Road (Proposed Palm Springs Residences Residential Planned Development) ***(THE APPLICANT HAS REQUESTED THE APPLICATION BE WITHDRAWN)***

SUMMARY:

FISCAL IMPACT:

ATTACHMENTS:

Request from Applicant to Withdraw Applications Related to Palm Springs Residences



**DUNAY
MISKEL
BACKMAN** LLP

Gary Dunay
Bonnie Miskel
Scott Backman
Eric Coffman

Melanie Brill
Hope Calhoun
Dwayne Dickerson
Ele Zachariades

Matthew H. Scott
Christina Bilenki
Lauren G. Odom

July 2, 2020

By Email

mayor@vpsfl.org
council@vpsfl.org
rreade@vpsfl.org

Mayor Bev Smith
Mayor Pro Tem Gary Ready
Vice Mayor Patti Waller
Councilmember Doug Gunther
Council Member Joni Brinkman
Richard Reade, Village Manager
Village of Palm Springs
226 Cypress Lane
Palm Springs, FL 33461

**Re: Notice and request to withdraw applications related to Palm Springs Residences ("Project")
(Case Number: SPR-20-02, PSV20-01)**

Dear Honorable Mayor, Council Members and Village Manager Reade:

Please accept this letter as the applicant's notice and request to withdraw its applications related to the Project. The owner and the applicant reserve the right to submit an application for redevelopment of the site in the future. It is our understanding that this withdrawal does not preclude us from doing so in the future.

Please advise if additional information is needed in order to process this request, and please do not hesitate to contact me should you have any questions. Thank you very much.

Sincerely,

Bonnie Miskel, Esq.
BM/rmm

cc: Kim Glas-Castro, AICP LEED. AP, Planning, Zoning & Building Director
Iramis Cabrera, Planner
Mr. Jeff Spear
Mr. Daniel Spear
Mr. David Spear
Mr. Camilo Miguel, Jr.
Beth Schrantz, Director of Land Planning Services, Dunay, Miskel & Backman, LLP



Village of Palm Springs

Executive Brief

AGENDA DATE: July 23, 2020

DEPARTMENT: Planning, Zoning & Building

ITEM 4.2: Proposed Ordinance No. 2020-11 - Village Comprehensive Plan Text Amendment - Water Supply Plan Update

SUMMARY:

The Planning, Zoning & Building Department is proposing text amendments to the Infrastructure, Conservation, and Capital Improvements Elements to adopt the Water Supply Facilities Work Plan for the Village of Palm Springs (2020-2030) by reference into the Village's Comprehensive Plan. The Village Council is expected to consider approving an update to the Village's water supply facilities work plan to be consistent with the South Florida Water Management District's 2018 Lower East Coast Water Supply Plan during the Council's Meeting on July 23, 2019 (on 1st reading). This plan addresses water supply related issues of the region and provides a framework to meet the water needs of all users (i.e., agriculture, conservation, urban uses) through 2040.

Each government's update to its water supply facilities work plan includes:

- Updated population projections
- Projections of the water needs for the projected populations and businesses in the utility service area
- Methods to ensure adequate water supply through the planning period and plans for alternative sources of raw water to ensure long-term availability
- Actions, programs or initiatives to promote water conservation & reduce water use
- Annual update to the Capital Improvements Program (CIP), which also includes non-water supply related capital projects

Note: The proposed water supply plan was preceded by the Water Supply Facilities Work Plan for the Village of Palm Springs (2015-2025) approved in June 2015 (Resolution No. 2015-35) and adopted by reference into the Village's Comprehensive Plan on July 9, 2015

(Ordinance No. 2015-22).

The proposed comprehensive plan amendments were submitted through the PBC Intergovernmental Plan Amendment Review Committee (IPARC) for intergovernmental review and no comments were received.

The Planning & Zoning Board considered the proposed Water Supply Facilities Work Plan (2020-2030) and the related comprehensive plan amendments during their meeting on July 14, 2020, and recommended approval.

The Village Council will consider the proposed Water Supply Facilities Work Plan and related Village Code amendments during its regular meeting on July 23, 2020.

The proposed comprehensive plan text amendments were prepared by the Village's consulting engineers, Kimley-Horn, and reviewed by the Planning, Zoning & Building Director, Public Service Director, Village Attorney, Palm Beach County staff, and the South Florida Water Management District staff.

If approved on 1st reading, the proposed ordinance will be considered for 2nd and final reading by the Village Council during a future (expected September/October 2020) meeting. Additionally, if approved, the proposed comprehensive plan text amendments will be forwarded for state and regional agency review, including the Florida Department of Economic Opportunity (DEO) and the South Florida Water Management District (SFWMD). If no objections to the proposed amendments are received, the proposed ordinance will be presented to the Village Council at the next available meeting.

Note: Following final approval of the FY 2021 Budget, the 5-Year Schedule of Capital Improvements within the Capital Improvements Element will be formally amended to include the proposed water supply-related capital projects and to update the schedule based on the approved Capital Budget Plan.

FISCAL IMPACT:

The Village's proposed capital improvements (and estimated costs) are provided to ensure that our potable water operations meet the highest standards. These projects/improvements will also be included within the Village's Capital Improvement Program and will annually be presented for budget approval.

ATTACHMENTS:

Proposed Ordinances No. 2020-11 - Comprehensive Plan Amendments - 10-Year Water Supply Facilities Work Plan

Proposed Comprehensive Plan Amendments - 10-Year Water Supply Facilities Work Plan (Exhibit "A" to Ordinance No. 2020-11)

Proposed 10-Year Water Supply Facilities Work Plan - July 2020

Proposed Water Supply Capital Improvement Projects - 10-Year Water Supply Facilities Work Plan.pdf

ORDINANCE NO. 2020-11

AN ORDINANCE OF THE VILLAGE OF PALM SPRINGS, FLORIDA, AMENDING THE COMPREHENSIVE PLAN OF THE VILLAGE OF PALMS SPRINGS, IN ACCORDANCE WITH THE LOCAL GOVERNMENT COMPREHENSIVE PLANNING AND LAND DEVELOPMENT REGULATION ACT, AS AMENDED, BEING SECTIONS 163.3161, ET. SEQ., FLORIDA STATUTES, PROVIDING FOR THE AMENDMENT TO THE TEXT OF THE VILLAGE'S INFRASTRUCTURE, CONSERVATION, INTERGOVERNMENTAL COORDINATION, AND CAPITAL IMPROVEMENTS ELEMENTS OF THE COMPREHENSIVE PLAN, INCLUDING THE 5-YEAR SCHEDULE FOR CAPITAL IMPROVEMENTS, TO REFLECT THE UPDATE TO THE WATER SUPPLY FACILITIES PLAN FOR THE VILLAGE OF PALM SPRINGS (2020-2030), WHICH AMENDMENTS ARE MORE FULLY DESCRIBED IN EXHIBIT "A" ATTACHED HERETO; PROVIDING FOR REPEAL OF ALL ORDINANCES IN CONFLICT; PROVIDING FOR SEVERABILITY; PROVIDING FOR AN EFFECTIVE DATE; AND PROVIDING FOR OTHER PURPOSES.

WHEREAS, the Village Council ("Council") of the Village of Palm Springs, Florida ("Village") has adopted a Comprehensive Plan ("Plan") pursuant to the "Local Government Comprehensive Planning and Land Development Regulation Act"; and

WHEREAS, the Village's Plan has been determined to be "in compliance" with the provisions of the Act and Rule 9J-5 of the Florida Administrative Code; and

WHEREAS, the Council wishes to amend the Infrastructure, Conservation, Intergovernmental Coordination, and Capital Improvements Elements of the Comprehensive Plan, Including the 5-Year Schedule for Capital Improvements, to reflect the update to the Water Supply Facilities Plan for the Village of Palm Springs (2020-2030); and

WHEREAS, the Village's LPA has considered the proposed amendments at a duly advertised meeting and has recommended that the Council adopt the Plan Amendments as set forth in the attached Exhibit "A"; and

WHEREAS, the Council has held all required public hearings; both prior to transmittal and submission of the proposed amendments to the Plan to the Florida Department of Economic Opportunity, and after the proposed amendments to the Plan were returned to the Village, in accordance with Chapter 163, F.S.; and

NOW THEREFORE, BE IT ORDAINED BY THE VILLAGE COUNCIL OF THE VILLAGE OF PALM SPRINGS, FLORIDA:

Section 1. The Village Council of the Village of Palm Springs, Florida, hereby amends the current Comprehensive Plan dated November 9, 1989, as amended, to modify the Infrastructure, Conservation, Intergovernmental Coordination, and Capital Improvements Elements of the Comprehensive Plan, Including the 5-Year Schedule for Capital Improvements, to reflect the updated Water Supply Facilities Plan for the Village of Palm Springs (2020-2030), which amendment consists of the pages attached hereto as Exhibit “A” and made a part hereof, and which will be incorporated into the current Comprehensive Plan. A copy of the Comprehensive Plan, as amended, is on file in the office of the Village Clerk.

Section 2. This Ordinance shall be effective within the corporate limits of the Village of Palm Springs, Florida.

Section 3. The Village Clerk is hereby directed to transmit copies of the amendments to the Comprehensive Plan to the Department of Economic Opportunity as the State Land Planning Agency, and all other interested parties, along with a copy to the Treasure Coast Regional Planning Council, South Florida Water Management District, and to any other unit of local government who has filed written request for a copy, within ten (10) working days after adoption, in accordance with Section 163.3184, Florida Statutes.

Section 4. Repeal of Conflicting Ordinances. All ordinances, resolutions or parts of ordinances and resolutions in conflict with this Ordinance are hereby repealed.

Section 5. Severability. If any word, clause, sentence, paragraph, section or part thereof contained in this Ordinance is declared to be unconstitutional, unenforceable, void or inoperative by a court of competent jurisdiction, such declaration shall not affect the validity of the remainder of this Ordinance.

Section 6. Effective Date. The effective date of this Plan Amendment shall be in accordance with Section 163.3184, F.S.; however, no later than thirty-one (31) days after the State Land Planning Agency has received the completed Amendment package. No development order, development permits or land uses dependent on this Amendment may be issued or commence before the Amendment has become effective.

Council Member _____, offered the foregoing Ordinance, and moved its adoption. The motion was seconded by Council Member _____, and upon being put to a vote, the vote was as follows:

Ordinance 2020-11 – Comprehensive Plan Amendments – Water Supply Plan

	<u>Aye</u>	<u>Nay</u>	<u>Absent</u>
BEV SMITH, MAYOR	☐	☐	☐
PATTI WALLER, VICE MAYOR	☐	☐	☐
GARY READY, MAYOR PRO TEM	☐	☐	☐
DOUG GUNTHER, COUNCIL MEMBER	☐	☐	☐
JONI BRINKMAN, COUNCIL MEMBER	☐	☐	☐

The Mayor thereupon declared this Ordinance approved and adopted by the Village Council of the Village of Palm Springs, Florida, on second reading, the _____ day of _____, 2020.

VILLAGE OF PALM SPRINGS, FLORIDA

BY: _____
BEV SMITH, MAYOR

First Reading: _____

Second Reading: _____

ATTEST:

BY: _____
KIMBERLY WYNN, VILLAGE CLERK

REVIEWED FOR LEGAL FORM AND SUFFICIENCY

BY: _____
GLEN J. TORCIVIA, VILLAGE ATTORNEY

Chapter IV
Infrastructure Element
(Sanitary Sewer, Solid Waste, Drainage, Potable Water
and Natural Groundwater Aquifer Recharge)
Goal, Objectives and Policies

- Goal:*** "An efficient and effective System of Village owned public utilities that are operated and maintained in accordance with accepted levels of service, which promote orderly urban growth; and providing for the general health, safety and welfare of the Village residents, as well as, the Village's designated service area."
- Objective A:*** Ensure through the land development approval process that, at the time a building permit is issued, adequate public facility capacity is available or will be available at the time of occupancy.
- Policy A.1:*** All Goals, Objectives and Policies applicable to potable water are located in the Potable Water Sub-Element within this Infrastructure Element.
- Policy A.2:*** The Public Works Department shall maintain a current record of the level of service for sanitary sewer, solid waste and drainage. The concurrency test for facilities and services will be determined by comparing the available capacity of a facility or service to the demand created by the proposed project. Available capacity will be determined by adding together any capacity demands committed through concurrency reservations for building permits approved prior to and subsequent to the adoption of the Comprehensive Plan but not receiving services and existing services being delivered. Subtract that total from the design capacity of the facility; the remainder is the capacity available to serve the new development project.
- Policy A.3:*** Public facility Level of Service standards as displayed on Table 2 are hereby adopted, and shall be used as the basis for estimating the availability of capacity and demand generated by a proposed development project.

TABLE 2
VILLAGE OF PALM SPRINGS PUBLIC FACILITY CONCURRENCY
MANAGEMENT SYSTEM

PUBLIC FACILITY	LEVEL OF SERVICE STANDARD
Sanitary Sewer	Average Daily Sewage Generation Rate Residential: Single Family 350 gallons/day/dwelling unit Multiple Family 250 gallons/day/dwelling unit Non-Residential: 0.20 gallons/acre/day
Solid Waste	Average Generation Rate Garbage: 4.92 lbs./capita/day Trash: 1.75 lbs./capita/day
Drainage	Design Storm: Three (3) year frequency, 24-hour (one day duration; rainfall intensity curve as established by the South Florida Water Management District).
<i>Policy A.4:</i>	All development and/or redevelopment activities shall be reviewed in a manner consistent with adopted Level of Service standards as part of the site plan review and land development process.
<i>Policy A.5:</i>	The Public Works Department shall, in cooperation with the public utility service providers update facility demand and capacity information, as development permits are issued.
<i>Policy A.6:</i>	Prohibit the installation of additional septic tank systems, and require all new developments be served by the central wastewater system. Require all new developments to be served by central water systems.
<i>Policy A.7:</i>	Prohibit the installation of individual wells in proximity to the one (1) foot drawdown contour (Zone 3), as defined by Palm Beach County Wellfield Protection Program.

Potable Water Sub-Element Goal, Objectives and Policies

Goal: “Protect the health, safety and welfare of the public while preserving a high-quality potable water supply for current and future use that complies with regulatory requirements.”

Objective B: ***Potable Water Facilities and Level of Services:***
Continue to preserve the potable water supply as resource, both in quantity and quality by maximizing the use of existing facilities, correcting facility deficiencies and enhancing the ability to meet or exceed adopted Level of Service Standards during the ten year planning period applicable to the Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~ 2020-2030).

Policy B.1: It will be necessary to coordinate land uses and future land use changes with the availability of water supplies and the water supply facilities.

Policy B.1.1: During the building permit stage, water supply concurrency must be met.

Policy B.1.2: The sharing and updating of information to meet ongoing water supply needs and establishing LOS standards shall occur through coordination between SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, ~~Green Acres~~ Lake Worth Beach Water Utilities Department, and Atlantis.

Policy B.2: Based on historic data and projected growth patterns, the Village shall adopt and impose the following LOS standards for potable water as the basis for determining the availability of facility capacity and planning for demand to be generated by development.

Policy B.2.1: The LOS standards for residential users will be:

A. 82 GPCD (GALLONS PER CAPITA/DAILY) LOS shall be utilized for that area served by the VPSUD; however, it is understood that 110 GPCD is the average set by the SFWMD for the area.

B. 115 GPCD LOS shall be utilized for that area served by the PBCWUD; however, it is understood that 110 GPCD is the average set by the SFWMD for the area.

Policy B.2.2: The LOS standards for additional water supply measures are:
A. A minimum pressure of 20 pounds per square inch shall be maintained.

B. 25% of the maximum daily flow + fire demand (120 min. x 1,000 gpm) shall be maintained in storage capacity.

Policy B.3: Require all new developments to be served by central water systems.

Policy B.4: With any addition to the Village of Palm Springs' service area, the Village shall redefine their service area boundaries by Ordinance, as per provisions of Chapter 180, Florida Statutes, as amended.

Policy B.4.1: Coordination among SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, ~~Green Acres~~ Lake Worth Beach Water Utilities Department, and Atlantis will occur should a change in service area occur or an annexation occurs in the Village.

Policy B.5: When the Village's potable water facility reaches 80% percent of the SFWMD CUP and/or FDEP permitted plant capacity, the Village shall consider revising the Capital Improvement Plans, initiate FDEP permit modifications or renewal procedures, or seek a modification to increase the allocation under the CUP.

Policy B.6: The Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~ 2020-2030) adopted ~~May 14, 2015~~ [adoption date to be inserted] is incorporated herein by reference. The Village will continue to make appropriate changes to the Comprehensive Plan, LDC and other policies/regulations in order to implement the updated Water Supply Facilities Work Plan (~~2015-2025~~ 2020-2030).

Policy B.7: The Village shall c o m p l y w i t h the Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~ 2020-2030) adopted ~~May 14, 2015~~ [adoption date to be inserted], which has been updated to be consistent with the SFWMD Lower East Coast Water Supply Plan update, published on January 14, 2019.

Policy B.7.1: The Plan, at a minimum, shall identify new or proposed water supply facilities that are necessary to serve existing and new development through ~~2018~~ 2030.

Policy B.8: The Village's water system shall be maintained in a manner which meets or exceeds quality standards of regulatory agencies.

Policy B.8.1: The Village will coordinate with the SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, ~~Green Acres~~ Lake Worth Beach Water Utilities Department, and Atlantis to evaluate water consumption rates to ensure consistency with LOS and permitted amounts.

Policy B.9: Prohibit the installation of individual wells in proximity to the one (1) foot drawdown contour (Zone 3), as defined by Palm Beach County Wellfield Protection Program.

- Policy B.10:* Maintain a monitoring program of existing well fields to assure that the quality and quantity of potable water drawn from Village wells does not threaten the general health and welfare of the community or the regional system, including the Lake Okeechobee service area and Water Conservation Areas.
- Policy B.11:* ~~Locate new well fields, as the need becomes evident, in areas where the groundwater supply is not threatened by potential pollution sources.~~
[reserved]
- Policy B.12:* The Village shall ~~increase the number of~~ maintain wells to provide adequate capacities, as permitted by the South Florida Water Management District (SFWMD), to service new development activities and usage.
- Policy B.13:* The Village shall eExpand water treatment facilities to meet or exceed maximum day withdrawal from the raw water supply in accordance with the current water use permit.
- Policy B.14:* Increase water storage capacity consistent with water system expansions.
- Policy B.15:* As expansion to the water system occurs, loop distribution lines to maintain water quality in the lines and provide for more even water pressure.
- Policy B.16:* Assure that fire flow requirements are met as the water system is expanded.
- Objective C:*** ***Aquifer Sustainability:*** Provide adequate potable water services to the service area while carefully considering aquifer water production limitations.
- Policy C.1:* In coordination with SFWMD, Palm Beach County Water Utilities Lake Clark Shores, ~~Green Acres~~ Lake Worth Beach Water Utilities Department, and Atlantis, the Village shall identify long-term water supply strategies that are consistent with applicable use permits and appropriate regional Water Supply Plans.
- Policy C.2:* The Village shall participate in the water supply planning process, which includes the SFWMD and pertinent government entities, with the intention of developing a regional water supply plan that ensures sufficient quantity and quality of potable water resources are available for future use without creating unacceptable implications on natural resources.
- Policy C.3:* Coordination with SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, ~~Green Acres~~ Lake Worth Beach Water Utilities Department, and Atlantis will be undertaken to evaluate opportunities for additional water supply sources and recovery technologies when the Village considers new or expanded facilities.

Objective D: **Existing Facilities and Urban Sprawl:** Maximize the use of existing facilities, discourage urban sprawl and coordinate future expansion plans consistent with projected needs to accommodate development at the densities permitted in the Future Land Use Element of the Comprehensive Plan.

Policy D.1 Where appropriate, the Village shall require developers to submit a report for all LOS-based potable water systems expansion projects prior to issuance of a development order which demonstrates that development projects are consistent with **Objective D**.

Policy D.2 The Village shall allow development (based on the FLUM) only in areas that have sufficient existing or planned capacity for potable water facilities and where connection is available.

Objective E: **Water Conservation:** Actively participate in potable water conservation practices and programs on an ongoing, as well as, on an emergency basis.

Policy E.1: Promote the use of non-potable water for uses other than for human consumption as part of the site plan and land development review process when the health of the citizenry is not threatened, such as for irrigation at recreational and governmental sites.

Policy E.2: Maintain a Landscape Ordinance which requires the use of water- efficient landscaping in all new development and redevelopment, and require functioning rain-sensor devices on all new automatic irrigation systems and requires the conservation of water in irrigation by promoting the use of native vegetation and/or the SFWMD's Florida Friendly Landscaping practices when considering all proposals for development and/or redevelopment.

Policy E.2.1: The City will continue to enforce the SFWMD's lawn and landscape irrigation rule, which limits irrigation to three days per week (based on address) between the hours of 12 a.m. to 10 a.m. AND/OR 4 p.m. to 11:59 p.m. with some exceptions, as may be revised.

Policy E.3: Maintain regulatory codes, consistent with Section 553 of the Water Conservation Act, F.S., to promote the use of low volume fixtures and other water saving devices in both public facilities, as well as, in private use.

Policy E.4: The Village will promote and educate developers and the public regarding the use of low impact development techniques such as the Florida Water StarSM program, which is a point based, new home certification program for water-efficient developments, similar to the Federal Energy Star program.

Policy E.4.1: The Village shall issue no development orders or development permits without first consulting with the Village of Palm Springs Utilities Department and the Palm Beach County Water Utilities Department to determine whether adequate water supplies to serve the development will be

available no later than the anticipated date of issuance by the Village of a certificate of occupancy or its functional equivalent. The Village will also ensure that adequate water supplies and facilities are available and in place prior to issuing a certificate of occupancy or its equivalent.

Policy E.5: The Village shall implement and enforce Water Shortage Emergency Provisions, established under Chapter 40E-21, Florida Administrative Code, upon declaration of a water shortage emergency by the South Florida Water Management District.

Policy E.5.1 The Village shall continue to enforce SFWMD's year-round landscape watering restrictions, which are codified in Village code.

Policy E.6: A contingency plan shall be maintained for restricted use of the potable water supply in times when current supply is insufficient or inadequate.

Policy E.7: In an effort to facilitate better water conservation management, the Village shall strive to reduce consumptive water use for the Village's water system by continuing graduated water use rates (Ordinance 2015-17), that establish a premium charge for potable water usage above the LOS standards developed in Policies B.2.1 and B.2.2.

Policy E.7.1: The Village shall inform residents and businesses of, and shall encourage their participation in, the local and regional water conservation programs. These information and educational programs shall include the following types of efforts:

- a. Brochures and signage to be made available at Village Hall.
- b. Pursuing funding through SFWMD Community education Grant and cooperative funding programs for educational efforts such as demonstration gardens and prototype landscaping on public properties; and,
- c. Inviting speakers for forums or workshops at Village Hall.

Policy E.7.2: The Village shall continue a leak detection and repair program for all Village facilities. It shall also encourage its citizens to adopt such a program for their own individual properties.

Objective F: ***Alternative Water Supplies:*** When appropriate, the Village shall explore opportunities to use alternative water supplies as sources for future water needs.

Policy F.1: The Village shall utilize alternative water supply sources, if feasible, when improving or expanding the watersystem.

Policy F.2: The Village shall encourage other suppliers of potable water to the Village to utilize alternative water supply sources, if feasible, when improving or expanding the water system that serves the Village.

- Objective G:** Continually coordinate with the City of West Palm Beach, the designated service agent for the "East Central" sub- regional system, during the five (5) year planning period, to continue to provide sanitary sewer treatment facilities and services to meet existing and projected future wastewater demands for the sub-region with continued transmission of the Village's wastewater to the regional facility through Interlocal Agreements with both Palm Beach County and the City of Lake Worth Beach.
- Policy G.1:* Require a high level of service for the residents of the Village by the utility service agent that is consistent with the Interlocal Agreements with Palm Beach County and the City of Lake Worth Beach.
- Policy G.2:* Ensure constant monitoring of rate structures so that the lowest possible cost results to the Village ratepayer. The Village should perform a rate structure study, as appropriate.
- Policy G.3:* Maintain a high level of coordination between the Village and the utility service agent that is consistent with terms and conditions of the Interlocal Agreements.
- Policy G.4:* Continue participation in the "East Central" sub-region through sub-agreements for the Collection and transmission of wastewater with the City of Lake Worth Beach and Palm Beach County.
- Policy G.5:* The Village staff shall study and explore the legal and management alternatives available to the Village to facilitate its efficient service to the unincorporated portion of their service area.
- Policy G.6:* By 2025, the Village shall evaluate the feasibility of extending available reclaimed water from a neighboring municipality as a source for lawn/landscaping irrigation within the Palm Springs utility service area.
- Objective H:** Continue to provide a central wastewater collection system to the citizens of the Palm Springs' service area during the five (5) year planning period.
- Policy H.1:* Maintain and update the Village's wastewater master plan within the five (5) year planning period as a guide to economically program necessary improvements to the wastewater collection system.
- Policy H.2:* Update and expand, as necessary, Village development regulations to require the construction of wastewater facilities that are in conformance with standards set forth by the Village at the developer's cost.

- Policy H.3:* The Village shall continue as the service agent for the maintenance and operation of the wastewater collection system within the Palm Springs' service area.
- Objective I:* The Village of Palm Springs shall continue to provide drainage services during the five (5) year planning period to meet existing and future demand in order to prevent or minimize flood hazards.
- Policy I.1:* Provide a proper mix of surface and subterranean drainage facilities which will effectively receive and direct stormwater runoff. This provision shall be maintained in the site plan review procedures of the Palm Springs' Land Development Code Ordinance.
- Policy I.2:* Improve existing stormwater drainage facilities where needed, especially in special flood hazard areas surrounding the lakes within the Village consistent with the Five (5) Year Schedule of Improvements.
- Policy I.3:* Ensure adequate stormwater drainage is provided in proposed developments by requiring developers to be responsible for providing the necessary drainage facilities. This provision shall be made in the site plan review procedures of the Palm Springs' Comprehensive Zoning Ordinance.
- Policy I.4:* Continue to update and maintain land development regulations which provide for adequate drainage facilities in conformance with the allowable stormwater discharge criteria established by the South Florida Water Management District, and which discharge criteria established by the South Florida Water Management District, and which address minimizing pollution into the lakes and canals in the Village.
- Policy I.5:* Continually maintain close liaison and coordination with the Lake Worth Drainage District to assure that the Village has input into the District's Plan of Reclamation during the five (5) year planning period.
- Policy I.6:* Require appropriate land uses in flood prone areas, as per the requirements of the Village Flood Damage Protection Ordinance and Building Code.
- Policy I.7:* Provide for periodic review and updating of drainage plans and annual drainage programs of maintenance and improvement, as part of the annual budgetary process.
- Policy I.8:* Establish a routine maintenance program for all catch basins and conduits within the Village.

- Objective J:** Maintain stormwater drainage regulations within the Subdivision Regulations Ordinance that protect natural drainage features and ensure that future development utilizes stormwater management systems in a manner to protect the functions of recharge areas and natural drainage features.
- Policy J.1:* As part of the site plan review process, the Village should require that post-development runoff rates, volumes and pollutant loads be the same as predevelopment conditions and preserve existing natural drainage features by utilizing South Florida Water Management District's techniques.
- Policy J.2:* Protect and preserve water quality by use of construction site Best Management Practices (BMP's) and the incorporation of techniques such as on-site retention, use of pervious surfaces and native vegetation when considering proposals for land development and/or redevelopment.
- Policy J.3:* Protect water quality with development review and regulations which encourage eighty-five percent (85%) on-site retention of stormwater runoff and maintains open space and ground cover for maximum infiltration and percolation of stormwater by revising appropriate regulations within one (1) year from submittal of this Plan.
- Policy J.4:* Enforce existing subdivision regulations which protect natural vegetation in order to reduce erosion and minimize runoff pollution.
- Policy J.5:* Protect environmentally sensitive areas by controlling adjacent land uses by Interlocal Agreements or acquisition, if necessary,
- Objective K:** Continue to provide solid waste collection service during the five (5) year planning period to meet existing and future demands in a responsive and cost effective manner.
- Policy K.1:* The Village shall maintain a public information service in order to keep the citizenry aware of collection schedules and placement of refuse containers.
- Policy K.2:* In an effort to reduce costs of a high solid waste generation area as Palm Springs, the Village shall request the Solid Waste Authority of Palm Beach County to assist the Village in analyzing the efficiency of collection routes when they are questioned.
- Policy K.3:* Village management should be in regular communication with the private hauler serving the Village to coordinate the collection of solid wastes from apartments and commercial establishments that presently utilize private haulers in an effort to assure adequate and uninterrupted collection service.

- Policy K.4:* In order to assure continued service to areas that are served by private haulers, the Village shall maintain a liaison with private haulers to transfer complaints and to offer information to residents regarding collection and disposal of all solid waste.
- Policy K.5:* The Village shall maintain a regular service program of all vehicles and equipment used in the collection service in order to minimize breakdown, which may result in interruptions to service schedules.
- Objective L:*** The Palm Beach County Solid Waste Authority shall continue to provide solid waste disposal services during the five (5) Year Planning Period to the Village of Palm Springs to meet existing and projected future demands.
- Policy L.1:* Maintain the liaison and communication between the Village Manager and the Solid Waste Authority, and its Executive Director in order to ensure the Village's input to the management of established landfill sites and the purchase/development of any future landfill sites, or other alternative manner of solid waste disposal.
- Policy L.2:* Expand the Village's resource recovery program of paper collection to the collection of other items such as aluminum, plastics and glass that is consistent with Countywide resource recovery program goals when the Countywide program becomes available.
- Policy L.3:* The Village Manager shall maintain a liaison and communication with the Solid Waste Authority and its Executive Director to ensure input to developing collection techniques and methods for separation of solid waste materials, and other collection/disposal of a Countywide or regional concern.
- Policy L.4:* The Village shall continue monitoring construction sites to assure that solid wastes generated from construction activities on-site is disposed of in a proper and timely manner.
- Objective M:*** To maintain a five (5) year schedule of capital improvements needs to be updated annually, in conformance with the **Capital Improvements Element**. Capital improvements needs are defined as: (1) those improvements necessary to correct existing deficiencies in order to maximize the use of existing facilities; or (2) those improvements necessary to meet projected future needs without encouraging urban sprawl.

Policy M.1: Existing deficiencies will be addressed by undertaking the following activities:

Sanitary Sewer - Several existing deficiencies have been identified with the "East Central" sub-regional system by the City of West Palm Beach, utility service agent; however, it is concluded that none of the deficiencies have resulted from any activities within the Village limits, nor are the deficiencies of a nature that can be addressed solely by the Village. As a result, Village action is limited to participation of the Village Manager and Utilities Director in the development of cooperative solutions under the direction of the City of West Palm Beach, City of Lake Worth Beach and Palm Beach County, with the Village concentrations on meeting the future wastewater collection requirements within the Village's service area.

Solid Waste - The Village shall continue its program of collecting oil, paint and other household toxic wastes and shall also, request the Palm Beach County Solid Waste Authority, for refuse separation within the Village.

Drainage - Implement and update, within the five (5) year planning period, improvements to the existing drainage system in the Village. Also, continue the program of annual inspections, as a means of monitoring the efficiency of the system. Furthermore, assess the results of the annual program every five (5) years to determine whether or not corrective action is needed.

Stormwater Permits – Meet the requirements of the Village's portions of the Municipal Separate Storm Sewer System (MSA) permit.

Groundwater Recharge - Participate, through the occupational license procedure, with Palm Beach County to identify and regulate any uses from potentially polluting the Village's potable water well fields.

Policy M.2: The Village shall continue to evaluate and rank capital improvement projects proposed for inclusion in the five (5) year schedule of needs.

Policy M.3: Guidelines shall be developed to evaluate and rank proposed capital improvement projects with the following provided as suggested priority levels:

Level One - whether the project is needed to protect public health and safety in order to fulfill the Village's legal commitment to provide facilities and services, or to preserve or achieve full use of existing facilities.

Level Two - whether the project increases the efficiency of use of existing facilities, prevents or reduces future improvement costs, provides services to developed areas currently lacking full service, or promotes in-fill

development.

Level Three - whether the project represents a logical extension of facilities and services within a designated Village Planning Area.

Objective N: Discourage urban sprawl in order to achieve a compact urban form. Measures to accomplish this objective shall include concurrency management requirements and site development regulations such as access management, intensity, and density limitations consistent with this Plan.

Policy N.1: All land uses that have been developed or approved for development within the Village must be adequately served by existing public utilities and services before the Village may approve any new development, redevelopment, or annexations that would require use of these utilities and services. These utilities and services shall include the following for which the Village has set a Level of Service Standard, including:

Water facilities
Sewer facilities
Drainage facilities
Roadways
Recreational facilities

Policy N.2: The Village shall direct urban growth to areas which can be served efficiently by public services and facilities in conformance with local land development regulations and the Village's five-year plan for capital improvements to discourage the proliferation of urban sprawl.

Policy N.3: No land use approval for new development, redevelopment or annexation shall cause facilities or services to fall below adopted local Level of Service Standards, as contained in the Capital Improvements Element of this Comprehensive Plan. Public facilities and services necessary to serve the proposed development, redevelopment, or annexation must be available, at the adopted local levels of service, concurrent with the impacts of development.

Policy N.4: All development shall be compatible with and complementary to surrounding land uses and shall not negatively affect existing approved activities.

Chapter V

Conservation Element

Goal, Objectives, and Policies

- Goal:** "A quality environment which protects, conserves and enhances the natural resources of the Village, and which is compatible with the development of Palm Springs."
- Objective A:** Protect and maintain a level of air quality which, as a minimum, complies with federal, state, and regional pollution control standards.
- Policy A.1:** Ensure that all existing and new development, as well as, facilities that emit gases or other substances which may degrade the environment, comply with applicable air quality standards. (As documented in PL 88- 206).
- Policy A.2:** Adjust local codes and ordinances as necessary, to reflect current air quality standards as these become available.
- Policy A.3:** Support the efforts of local pollution control agencies to monitor air quality in the Village and coordinate and cooperate with these agencies in order to assure appropriate local input.
- Policy A.4:** Support the efforts of the Palm Beach County Metropolitan Planning Organization in the reduction of pollution resulting from vehicular movements.
- Policy A.5:** Continue to restrict and prohibit the open burning of trash, garbage, debris from land clearing and other identified matter within the Village.
- Objective B:** Protect and maintain Class III waters at a water quality suitable for limited water sports activities and for the management and propagation of fish and wildlife.
- Policy B.1:** Ensure that any development and subsequent use in or effecting Lake Bonita, Lake Palmarito, Lake Sago and other lakes and water features within the Village does not degrade water quality below approved standards (as documented in Chapter 17-3, Florida Administrative Code), by designating the lakes and canals as conservation uses and by requiring developers and landowners to provide such evidence as part of the site plan review and land development process.
- Policy B.2:** Strive to minimize direct or indirect stormwater runoff that may degrade the quality of water through coordination with Lake Worth Drainage District and South Florida Water Management District, through strict review of drainage plans as part of the site plan and land development process.
- Policy B.3:** Coordinate with the Palm Beach County Health Department/Palm Beach County Environmental Resource Department in monitoring Class III waters in order to constantly assess water quality and prevent degradation.

- Policy B.4:** Limit water-related recreational activities within the Village lakes, in order to assure that water quality is not adversely affected, through enforcement of local codes and ordinances that already exist.
- Objective C:** To protect and conserve potable water supplies, consistent with the Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025-2020-2030~~), adopted ~~May 14, 2015~~ _____ [*adoption date to be inserted*], which is incorporated herein by reference.
- Policy C.1:** Maintain water conservation techniques and programs in cooperation with the South Florida Water Management District and other appropriate agencies such as use of low volume plumbing fixtures, wastewater re-use, dual conveyance, gray water, and others, through local regulation in order to promote a low per capita consumption of potable water.
- Policy C.1.1:** The Village shall inform residents and businesses of, and shall encourage their participation in, the local and regional water conservation programs. These information and educational programs shall include the following types of efforts:
- a. brochures and signage to be made available at Village Hall;
 - b. pursuing funding through SFWMD Community Education Grant and cooperative funding programs for educational efforts such as demonstration gardens and prototype landscaping on public properties; and,
 - c. Inviting speakers for forums or workshops at Village Hall.
- Policy C.1.2:** The Village shall maintain a leak detection and repair program for all Village facilities. It shall also encourage its citizens to adopt such a program for their own individual properties.
- Policy C.1.3:** The Village will continue to cooperate with the South Florida Water Management District (SFWMD) in its efforts to restrict the unnecessary consumption of potable water, particularly as it relates to irrigation, lawn watering, and car washing during periods of drought, supply reduction, and other emergencies.
- Policy C.1.4:** The Village shall coordinate local water conservation education efforts with the SFWMD and the Palm Beach County School Board.
- Policy C.2:** Continue to cooperate with the South Florida Water Management District in the conservation of potable water supplies during periods of drought, declared water shortages, or water shortage emergencies by supporting and participating in the District's Water Shortage Plan.
- Policy C.3:** Coordinate with the Palm Beach County Environmental Resource Department with their Wellfield Protection Program. This program includes the review, identification and location of cones of influence around the wellfields in Palm Springs, and then protect and restrict land use activities in identified areas known to adversely affect the quality and quantity of potable

water sources. The site plan review procedures in the Palm Springs' Land Development Code shall require the location of cones of influence to be depicted on site plans.

Policy C.3.1: At a minimum, wellfield protection will be consistent with FDEP wellhead protection Rule 62-521, FAC; however, intergovernmental coordination with FDEP, SFWMD and other pertinent agencies will be pursued.

Policy C.4: Promote water conservation through the enforcement of the adopted Florida Building Code which requires such items as low-volume commodes, water flow restrictions for showers and spigots and similar devices in all new construction and renovations, and will comply with the SFWMD water use restrictions and ensure that low water use plumbing fixtures are used in all new buildings or in conjunction with permitted renovations in accordance with Florida Water Conservation Act, Section 553.14, Florida Statutes, as may be amended.

Policy C.5: The Village shall develop a public education program which will discourage waste and conserve water.

Policy C.6: In coordination with SFWMD, the Village shall maintain appropriate landscape water conservation measures; establish requirements in the LDC and further encourage or require, where appropriate, but not to the exclusion of non-native plantings, the use of native and drought tolerant plants and the use of low volume irrigation.

Policy C.7: The Village's potable water distribution system shall be monitored and unaccounted water loss within the system should be reduced and maintained to less than ten percent (10%) of the water entering the system.

Policy C.8: The Village will ensure that any new regulation to protect water resources is consistent with SFWMD's environmental resource permitting and consumptive use permitting rules.

Policy C.9: The Village shall coordinate local water conservation education efforts with the South Florida Water Management District and other appropriate entities.

Policy C.10: The Village shall inform residents and businesses of, and shall encourage their participation in, the Village's, the County's and South Florida Water Management District's water conservation programs. These information and educational programs shall include the following types of efforts:

- a. Brochure and signage to be made available at the Village Hall;
- b. Pursuing funding through the South Florida Water Management District's Community Education Grant and cooperative funding programs for educational efforts such as demonstration gardens and prototype landscaping on public properties; and

c. Inviting speaker for forums or workshops at the Village Hall.

Policy C.11: The Village shall enforce alternate means and incentives to conserve water such as low flow plumbing fixture programs, irrigation meters, reuse of stormwater, surface water pumps and the identification of other alternative water supplies.

Objective D: Protect and maintain soils and native vegetative communities in Palm Springs.

Policy D.1: Continue to review development plans, as part of the site plan review process, for compatibility with and protection of the natural environmental characteristics and habitats existing within the Village. The protection of resources and habitats shall be provided for in the landscape regulation of the Palm Springs' Land Development Code.

Policy D.2: Continue to require the preservation and priority use of native vegetation within the Village by maintaining such provisions into the landscape requirements of the Palm Springs' Comprehensive Zoning Ordinance. Also, require the removal of undesirable exotic species by these regulations.

Policy D.3: Any construction, expansion or modification to the lakes and canals within the Village shall consider water and habitat enhancement features that are conducive to shoreline vegetation and to the stabilization of shores and grounds adjacent to such surface water bodies to help alleviate potential erosion and degradation of shorelines. This shall be clearly demonstrated by the developer or landowner, as part of the site plan review and land development process; and it shall be subject to approval by the Village Engineer.

Policy D.4: The Village shall work cooperatively with property owners to develop erosion control plans where areas experience erosion of shorelines or banks.

Objective E: Conserve and protect fish and wildlife habitats.

Policy E.1: Enforce the provisions and regulations contained within Chapter 91: Animals in the Palm Springs' Code of Ordinances and maintain the designation of the entire Village as a Bird and Wildlife Sanctuary.

Policy E.2: Protect and manage the lakes and canals in Palm Springs in a manner suitable for fish and wildlife propagation, by requesting the appropriate environmental agency in Palm Beach County to monitor the water quality in these water bodies.

Policy E.3: Utilize the services of the State Game and Fresh Water Fish Commission, if stocking of the lakes with fish is deemed desirable.

Objective F: Ensure that land development and land use activities be compatible with environmental characteristics of the village and give consideration to conservation of potable water supplies.

- Policy F.1:* Cooperate with developers especially in the preliminary stages of development, and monitor development activity to ensure that environmental features are not degraded or depleted, by establishing a preliminary application provision in the site plan review process, and make such provisions in the Palm Springs' Land Development Code.
- Policy F.2:* The Village shall coordinate closely with the Palm Beach County Environmental Control officer to assure that state and/or countywide environmental protection regulations are enforced, by requesting his review on projects that require such review as determined by the Village.
- Policy F.3:* Maintain, update and enforce subdivision regulations so that development is planned in accordance with natural characteristics of the land such as slope, elevation, drainage patterns and natural vegetation.
- Policy F.4:* Preserve or restore, where possible, the natural vegetation as permanent open space buffer zones. Require this as part of the landscape provisions and incorporate them into the Palm Springs' Comprehensive Zoning Ordinance.
- Policy F.5:* Conserve the lakes and canals within the Village as Class III waters and designate these surface water bodies as conservation uses on the Future Land Use Map.
- Objective G:** The Village shall continue to regulate the management of hazardous wastes and materials.
- Policy G.1:* The Village shall continue to implement the Palm Beach County programs that regulates the storage and disposal of hazardous wastes and materials.
- Objective H:* The Village of Palm Springs shall consider implementing outreach and incentive programs to promote and improve energy efficiency in the community.
- Policy H.1:* The Village shall enforce standards within its 10-Year Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~ 2020-2030), adopted ~~May 14, 2015~~ [adoption date to be inserted] to increase the use of recycled water.
- Policy H.2:* The Village shall organize events, workshops, and outreach programs to promote water conservation, waste reduction, and energy efficiency.

Chapter VIII
Capital Improvements Element
Goal, Objectives, and Policies

- Goal** "The efficient provision of needed public facilities in a timely manner which protects investments in and maximizes the use of existing facilities, and promotes orderly compact municipal growth, while protecting the health, safety and welfare of Village residents."
- Objective A:** Provide capital improvements that correct existing deficiencies, accommodate projected future growth and/or replace worn out or obsolete facilities as defined in the elements of the Comprehensive Development Plan, according to the schedule defined herein.
- Policy A.1:** The Village shall include all land and improvements projects identified in the elements of this Comprehensive Development Plan and determined to be of relatively large scale and high cost (\$25,000 or greater), as capital improvements projects for inclusion within the **Five (5) Year Schedule of Improvements**.
- Policy A.2:** The five (5) year schedule of needs, is hereby incorporated as the **Five (5) Year Schedule of Improvements (TABLE 1)**.
- Policy A.3:** The Village shall, as a matter of priority, schedule for funding any capital improvement projects in the **Five (5) Year Schedule of Improvements**, which are designed to correct existing public facility deficiencies.
- Policy A.4:** A Capital Improvements Coordinating Committee, composed of the Village Manager, Finance Director and operating department heads, shall continue to evaluate and rank in order of priority projects proposed for inclusion in the **Five (5) Year Schedule of Improvements**.
- Policy A.5:** Proposed capital improvement projects shall be evaluated and ranked in order of priority according to the following guidelines:
- (a) whether the project is needed to protect public health and safety, to fulfill the Village's legal commitment to provide facilities and services, or to preserve, achieve full use of or increase the efficiency of existing facilities; and
 - (b) whether the project prevents or reduces future improvement costs, provides service to developed areas lacking full service, or promotes in-fill development.
- Policy A.6:** As part of its capital improvements programming, the Village shall review and establish priorities for the replacement of water supply facilities, correction of water supply and facilities deficiencies, and the provision for future water supply and facility

needs as part of its Five (5) Year Schedule of Improvements, , consistent with the Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~ 2020-2030), adopted ~~May 14, 2015~~ [adoption date to be inserted] These projects are highlighted on TABLE 1.

Objective B: Require that future development and redevelopment bear one hundred percent (100%) of the proportionate costs of facility improvements necessary to maintain adopted Level of Service standards.

Policy B.1: The Village shall update and maintain the Land Development Regulations to require that local streets, drainage, sewage collection and potable water distribution systems improvements of any new development or redevelopment be provided by such development.

Objective C: Annually manage Village fiscal resources in a manner to ensure the provision of needed capital improvements.

Policy C.1: The Village shall enforce the Land Development Regulations to require that, prior to the issuance of certificates of occupancy, all public facilities are available to serve development or redevelopment for which development orders were previously issued.

Policy C.2: In providing capital improvements, the Village shall limit general obligation debt service expenses to an amount that will allow the annual maintenance of a minimum twenty percent (20%) ratio of General Fund balance to Operating Budget (including debt service).

Policy C.3: The Village shall annually update the **Five (5) Year Schedule of Improvements** and associated capital budget as part of its budgeting process. The capital budget process shall be used to determine the financial feasibility of defined capital improvements. The capital budget shall be adopted annually.

Policy C.4: Appropriate efforts shall be made to secure grants or private funds, whenever available, to finance the provision of capital improvements.

Policy C.5: The Village shall request comment by the Lake Worth Drainage District and South Florida Water Management District, prior to programming any potable water or drainage-related capital improvements, and the Florida Department of Transportation, prior to programming any road system capital improvements.

Policy C.6: The Village shall maintain replacement and renewal funds for all public facilities over which it has operational control. The decision to expend replacement and renewal funds shall be made annually, as part of the local budget process, or as emergency repairs require.

Policy C.7: The Village shall make efforts to seek additional revenue sources to specifically fund water supply and facility projects, as needed, pursuant to the Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~ 2020-2030).

Objective D: Condition decisions regarding the issuance of development orders and permits on the consistency of the development

requirements included in this Plan, the Village Land Development Regulations, and the availability of necessary public facilities needed to support such development at the time needed.

Policy D.1: The Village shall use Level of Service (LOS) standards adopted in the various elements of this Comprehensive Development Plan in reviewing the impacts of new development and redevelopment upon public facility provision.

Policy D.2: The Village shall continue to enforce the Adequate Facilities Ordinance to ensure that, at the time a development permit is issued, adequate facility capacity is available, or will be available, upon occupancy of the development.

Policy D.3: Proposed Comprehensive Development Plan amendments and requests for new development or redevelopment shall be evaluated according to the following guidelines as to whether the proposed action would:

- (a) contribute to any condition of public hazard as described in the **Sanitary Sewer, Solid Waste, Drainage, Potable Water, and Natural Groundwater Aquifer Recharge Element**;
- (b) exacerbate any existing condition of public facility capacity deficits, as described in the **Transportation Element, Sanitary Sewer, Solid Waste, Drainage, Potable Water and Natural Ground Water Aquifer Recharge Element, and Recreation and Open Space Element**;
- (c) generate public facility demands that may be accommodated by capacity increases planned in the **Five (5) Year Schedule of Improvements**; and
- (d) conform with future land uses as shown on the Future Land Use Map of the **Future Land Use Element**, and public facility availability as described in the **Sanitary Sewer Solid Waste, Drainage, Potable Water and Natural Groundwater Aquifer Recharge Element**.
- (e) impact public schools and/or the timing and delivery of public school facilities to serve any residential development, pursuant to the School District's Five-Year Capital Facilities Plan.

Policy D.4: The Village shall use Level of Service (LOS) Standards adopted in the various elements of this Comprehensive Development Plan in reviewing the impacts of new development and redevelopment upon public facility provision.

- Goal:** The Village of Palm Springs shall provide a mechanism to be included in the Land Development Regulations, by which all service providers and the Village coordinate land development decisions and facility capacity requirements to ensure that level of service standards are maintained as new development occurs.
- Objective E:** Monitor available capacity for services and facilities as well as coordination between the Village and service providers to ensure available capacities of services and facilities.
- Policy E.1:** The **Five (5) Year Capital Improvements Schedule** shall identify and fund those projects for which the Village is the service provider and which are required to maintain the level of service standards.
- Policy E.2:** The Village shall require documentation from the service providers that facility capacity is available and will be reserved for approved development.
- Policy E.3:** The Village shall coordinate with service providers to ensure that facilities are expanded, or new facilities are constructed to accommodate impact of new development.
- Policy E.4:** The Village shall coordinate with the School District of Palm Beach County on comprehensive plan amendments, development orders, and other land-use decisions which may be projected to impact the public schools facilities plan. The Village shall incorporate letters from the School District identifying school capacity availability into Village staff reports presented to the Village Council. The Village may incorporate conditions of approval into ordinances or resolutions to mitigate development impacts at the request of the School District, as the Village deems appropriate.
- Objective F:** The Village shall provide the School District with periodic information generated from the Village's development and approvals that is needed to maintain school adequacy, including information required for the School District to establish school siting criteria, joint approval of the public school capital facilities program, and school utilization.
- Policy F.1:** For public school facilities, the applicant for a Development Order or Development Permit which includes any residential component shall provide a school capacity availability determination (SCAD) issued by the School District of Palm Beach County that identifies the capacity, or lack thereof, of existing facilities or planned facilities in the current School District Capital Facilities Program Plan to serve additional students. Should the propose project negatively impact the public school system, the School District staff may recommend reasonable conditions to mitigate such impacts, and these considerations shall be included in the Village staff report for consideration by the Village Council.

Policy F.2:

The School District of Palm Beach County Five Year Capital Facilities Plan, as may be amended, is adopted as a supplement to the Village of Palm Springs “Five Year Schedule of Improvements”, Table 3, of the Capital Improvements Element. The Village shall have no obligation or responsibility for funding the School Board’s Capital Facilities Plan.

VILLAGE OF PALM SPRINGS, FLORIDA



10 YEAR WATER SUPPLY FACILITIES WORK PLAN

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(DRAFT: JUNE 2020)

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List of Abbreviations

AUD	City of Atlantis Utility Department
Avg.	Average
BEBR	Bureau of Economic and Business Research
ECRWRF	East Coast Regional Water Reclamation Facility
FAC	Florida Administrative Code
FS	Florida Statutes
FY	Fiscal Year
GPCD	Gallons per Capita per Day
GPD	Gallons per Day
GPM	Gallons per Minute
LEC	Lower East Coast Water Supply Plan
LOS	Level of Service
LWUD	City of Lake Worth Utility Department
MGD	Million Gallons per Day
MGM	Million Gallons per Month
MGY	Million Gallons per Year
PAM	Population Allocation Model
PBC	Palm Beach County
PBCWUD	Palm Beach County Water Utilities Department
RAA	Restricted Allocation Area
SAS	Surficial Aquifer System
SFWMD	South Florida Water Management District
Village	Village of Palm Springs
VPSUD	Village of Palm Springs Utility Department
WSP	Water Supply Plan
WTP	Water Treatment Plant
WUP	Water Use Permit

1.0 Introduction

1.1 Purpose

The purpose of the Village of Palm Springs Water Supply Plan (WSP) is to identify and plan for the water supply sources and facilities needed to serve existing and new development within the local government's jurisdiction. Chapter 163, Part II of the Florida Statutes (F.S.), requires local governments to prepare and adopt WSPs into their comprehensive plans within 18 months after the South Florida Water Management District (SFWMD) approves a regional water supply plan or its update. The Lower East Coast Water Supply Plan (LEC WSP) Update was approved by the District's Governing Board on January 14, 2019.

The LEC WSP is responsible for ensuring enough capacity is available for existing and future customers and references the initiatives already identified to ensure adequate water supply for the Village of Palm Springs (VPS or Village). According to state guidelines, the Village's WSP and the comprehensive plan must address the developments for at least a 10-year planning period. The Village's WSP will have a planning time schedule consistent with the comprehensive plan and the LEC WSP Update.

The Village's WSP has been divided into five (5) sections:

- Section 1 – Introduction
- Section 2 – Background Information
- Section 3 – Data and Analysis
- Section 4 – Capital Improvement Projects and Schedule
- Section 5 – Goals, Objectives, and Policies

1.2 Statutory Information

1.2.1 Statutory History

The Florida Legislature enacted bills in the 2002, 2004, 2005, 2011, 2015 and 2016 sessions to address the state's water supply needs. These bills, in particular Senate Bills 360 and 444 (2005 legislative session), significantly changed Chapters 163 and 373, F.S. by strengthening the statutory links between the regional water supply plans prepared by the water management districts and the comprehensive plans prepared by local governments. In addition, these bills established the basis for improving coordination between local land use planning and water supply planning.

1.2.2 Statutory Requirements

The Village of Palm Springs has considered the following statutory provisions when updating the WSP:

1. Coordinate appropriate aspects of its comprehensive plan with the LEC-WSP [5.163.3177(4)(a), F.S].
2. Ensure the future land use plan is based upon availability of adequate water supplies and public facilities and service [s.163.3177(6)(a), F.S.]. Data and analysis demonstrating that adequate water supplies and associated public facilities will be available to meet projected growth demands must accompany all proposed Future Land Use Map amendments submitted for review.
3. Consult with the applicable water supplier to ensure that adequate water supplies and potable water facilities are available to serve new development no later than the issuance by the local government of a certificate of occupy or its functional equivalent and consult with the applicable

water supplier to determine whether adequate water supplies will be available to serve the development by the anticipated issuance date of the certificate of occupancy [s.163.3180(2), F.S.].

4. For local governments subject to a regional water supply plan, revise the General Sanitary Sewer, Solid Waste, Drainage, Potable Water, and Natural Groundwater Aquifer Recharge Element (the “Infrastructure Element”), within 18 months after the water management district approves an updated regional water supply plan, to:
 - a. Identify and incorporate the alternative water supply project(s) selected by the local government from projects identified in the LEC-WSP, or alternative project(s) proposed by the local government under s.373.709(8)(b), F.S. [s.163.3177(6)(c), F.S.];
 - b. Identify the traditional and alternative water supply projects and the conservation and reuse programs necessary to meet water needs identified in the LEC-WSP [s.163.3177(6)(c)3, F.S.]; and
 - c. Update the Work Plan for at least a 10-year planning period for constructing the public, private, and regional water supply facilities identified in the element as necessary to serve existing and new development [s.163.3177(6)(c)3, F.S.].
5. Revise the Five-Year Schedule of Capital Improvements to include water supply, reuse, and conservation projects and programs to be implemented during the five-year period [s.163.3177(3)(a)4, F.S.].
6. To the extent necessary to maintain internal consistency after making changes described in Paragraph 1 through 5 above, revise the Conservation Element to assess projected water needs and sources for at least a 10-year planning period, considering the LEC-WSP, as well as applicable consumptive use permit(s) [s.163.3177(6)(d), F.S.]. The plan must address the water supply sources necessary to meet and achieve the existing and projected water use demand for the established planning period, considering the applicable regional water supply plan [s.163.3167(9), F.S.].
7. To the extent necessary to maintain internal consistency after making changes described in Paragraphs 1 through 5 above, revise the Intergovernmental Coordination Element to ensure coordination of the comprehensive plan with the LEC-WSP [s.163.3177(6)(h)1, F.S.].
8. While an Evaluation and Appraisal Report is not required, local governments are encouraged to comprehensively evaluate, and as necessary, update comprehensive plans to reflect changes in local conditions. The evaluation could address the extent to which the local government has implemented the need to update their Work Plan, including the development of alternative water supplies, and determine whether the identified alternative water supply projects, traditional water supply projects, and conservation and reuse programs are meeting local water use demand [s.163.3191(3), F.S.].

2.0 Background Information

2.1 Overview

The Village is located within Palm Beach County and borders the municipalities of Greenacres, Lake Clarke Shores, Lake Worth, Atlantis, West Palm Beach and areas of unincorporated Palm Beach County. According to the United States Census Bureau, the Village has a total area of 3.5 square miles.

Figure 2-1, Village of Palm Springs Location Map, shows the physical location of the Village within Palm Beach County and the State of Florida. Figure 2-2, Village of Palm Springs Municipal Limits and Future Annexation Areas shows the current Village municipal limits as well as areas of interest for future annexation.

There are four water utilities currently meeting the needs of the residents in the Village of Palm Springs:

- Village of Palm Springs Utility Division (VPSUD)
- Palm Beach County Water Utilities Department (PBCWUD)
- City of Atlantis Utility Department (AUD)
- City of Lake Worth Utilities Department (LWUD)

The VPSUD is an enterprise fund within the Village municipal government. They service the majority of the Village population, portions of the neighboring Town of Lake Clarke Shores and several areas of unincorporated Palm Beach County.

The other three utilities (PBCWUD, AUD and LWUD) service the remaining residents within the corporate boundaries of the Village. Their customers mostly consist of condominiums, private medical offices and rehabilitation centers, and other small businesses along Lake Worth Road, Congress Avenue or Forest Hill Blvd. It is important to note that AUD purchases bulk water from PBCWUD for its customers but bills for these services independently of PBCWUD. The demands for the customers being serviced by these utilities have been accounted for in the PBCWUD and LWUD WSP.

The past and future population projections, water usage, and per capita user rates presented herein are based on the Village's Utility Service Area which does not completely coincide with the Village's municipal limits. Therefore, the Village of Palm Springs WSP will be based solely on their utility service area which includes portions of the Town of Lake Clarke Shores and adjacent areas of unincorporated Palm Beach County. Figure 2-3, Village of Palm Springs Utility Service Area, illustrates these areas.

Included in this section is a brief overview of the existing water suppliers, water usage, population and relevant regional issues in the Village of Palm Springs' municipal limits and service area.

2.2 Existing Facilities

2.2.1 Village of Palm Springs Utilities Division

The VPSUD has a current Water Use (WU) Permit (WUP No. 50-00036-W) issued by SFWMD on October 28, 2009. This permit will expire in 2029. The current recommended maximum raw water withdrawal permitted from October 20, 2014 to October 29, 2029 is 155.9 million gallons per month (MGM) and 1,685 million gallons per year (MGY), which is approximately 4.62 million gallons per day (MGD).

VPSUD has two (2) water treatment plants with a total design capacity of 10 MGD. The Main Water Treatment Plant has a design capacity of 6 MGD and the R.L. Pratt Water Treatment Plant has a design capacity of the remaining 4 MGD. The two (2) water treatment plants operate in an interconnected transmission and distribution system. Treatment of raw water at both plants consists of ion exchange followed by lime softening, filtration, disinfection, storage, and pumping into the system.

To service the portions of Lake Clarke Shores within the Village's service area, a bulk sales agreement is in place with transactions to individual customers being completed via Lake Clarke Shores after the bulk purchase is made.

2.2.2 Palm Beach County Water Utilities Department

The PBCWUD has a current WU Permit (WUP No. 50-00135-W) issued by the SFWMD on March 13, 2003. This permit will expire in 2023. The current recommended maximum raw water withdrawal is 129.62 MGD and 31,773 MGY.

PBCWUD has four (4) water treatment plants with a total design capacity of 91.38 MGD. Two (2) of these water treatment plants utilize lime softening technology while the remaining two (2) utilize nanofiltration techniques. These water treatment plants currently withdraw water from the Biscayne Aquifer with future plans to withdraw water from the Floridan Aquifer. The system also includes wastewater reclamation and wetlands recharge.

The PBCWUD's water distribution system within the Village of Palm Springs is in good condition and well maintained.

2.2.3 City of Atlantis Utility Department

The AUD does not have a current WU Permit and purchases bulk water from PBCWUD. AUD's distribution system within the Village of Palm Springs is limited to several small, private medical offices and a veterinary hospital west on Congress Avenue between 6th Avenue South and the C-14 canal.

2.2.4 City of Lake Worth Utilities Department

The LWUD has a current WU Permit (WUP No. 50-00234-W) issued by the SFWMD on December 15, 2016. The permit will expire in 2032. The current recommended maximum raw water withdrawal is 356.5 MGD and 4,106 MGY, which is approximately 11.25 MGD.

LWUD has one water treatment plant with a total design capacity of 17.4 MGD. The water treatment plant operates utilizing a combination of lime softening and reverse osmosis techniques. Raw water for this plant is withdrawn from the Floridan and surficial aquifers. LWUD's distribution system within the Village of Palm Springs is limited to the Palm Beach Habilitation Center located at the corner of 6th Avenue South and Congress Avenue. The distribution system in this area has been noted to be in good condition and well maintained.

2.3 Relevant Regional Issues

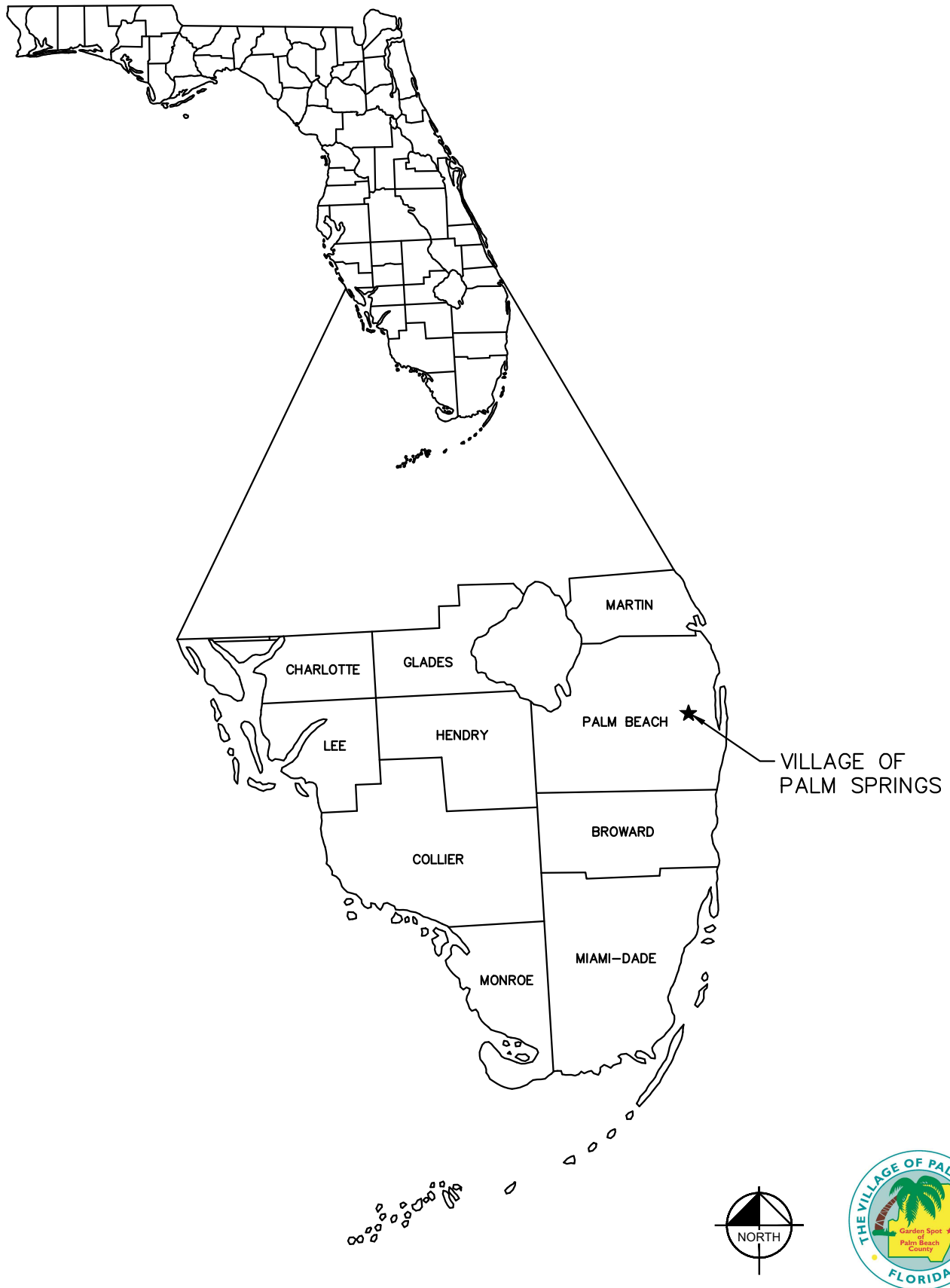
As the state agency responsible for water supply in the LEC planning areas, the SFWMD plays a pivotal role in resource protection, through criteria used from consumptive use, or water use, permitting. As pressure increased on the Everglades ecosystem resource, the SFWMD Governing Board initiated the decision to limit increased allocations dependent on the well-being of the Everglades system. As a result, the Regional Water Availability Rule was adopted by the Governing Board on February 15, 2007 as part of the SFWMD's water use permit program. This rule reduced reliance on the regional system for future

water supply needs by mandating the development of alternative water supplies and increasing water conservation and reuse.

The regional issues identified for 2040 in the LEC Planning Region have been provided below along with a summary of the Village's response to these issues.

1. **Fresh surface water and ground water are limited. Further withdrawals could have impacts on the regional system, wetlands, existing legal uses, and saltwater intrusion. As a result, additional alternative water supplies need to be developed.** – The Village utilizes surficial aquifer production wells. Additional wells or alternate raw water sources are not included in the Village's current permit however, these could be requested as modifications to the existing permit during its renewal prior to 2025. Alternate sources, including bulk water purchase agreements, may be required for handling increasing future demands.
2. **Surface water allocations from Lake Okeechobee and Water Conservation Areas are limited in accordance with the Lake Okeechobee Service Area RAA criteria.** –The Village utilizes raw water from the surficial aquifer and is not permitted, nor do they have any plans to pursue, surface water allocations. However, it is understood that the surficial aquifer in this area is recharged via Lake Okeechobee and other Water Conservation Areas which is limited. Since the Village's last permit renewal allowed for the maximum available allocation, additional raw water sources will have to be from an alternate source to comply with the RAA rules and regulations. One of the alternate sources considered is increasing the volume of water purchased from PBCWUD. Significant coordination would be required to confirm the PBCWUD system could support the Village's anticipated population increase as they are also limited by these restrictions.
3. **Construction of additional storage systems (i.e. reservoirs, aquifer storage and recovery systems) to capture wet season flow volumes will be necessary to increase water availability during dry conditions and attenuate damaging peak flow events from Lake Okeechobee.** – No additional storage systems are anticipated at this time but may be considered if required by future demands.
4. **Expanded use of reclaimed water is necessary to meet future water supply demands and the Ocean Outfall Law.** – The Village does not have access to a reclaimed water source at this time. The adjacent City of Lake Worth and City of West Palm Beach sanitary systems may be available in the future for reuse expansion within the Village. The Village is interested in discussing and planning for reuse infrastructure installation during this planning cycle if other utilities have available capacity.
5. **Expanded use of brackish groundwater from the Floridan aquifer system requires careful planning and wellfield management to prevent undesirable changes in water quality.** – The Village permit does not allow for Floridan aquifer withdrawal at this time but it may be considered if required by future demands.

Drawing name: K:\WPB_Civil\140593003 - VPS WSP Update\CAD\PlanSheets\Location Map Exhibit.dwg Mar 19, 2020 8:28am by: Gina Cassulo
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MARCH 2020
PROJECT NO.
140593003

VILLAGE OF PALM SPRINGS LOCATION MAP
PALM SPRINGS
FLORIDA

DESIGN ENGINEER:
FLORIDA P.E. LICENSE NUMBER:
DATE:

SHEET NUMBER
FIG. 2-1



Legend



Municipal City Limits



Future Annexation Area

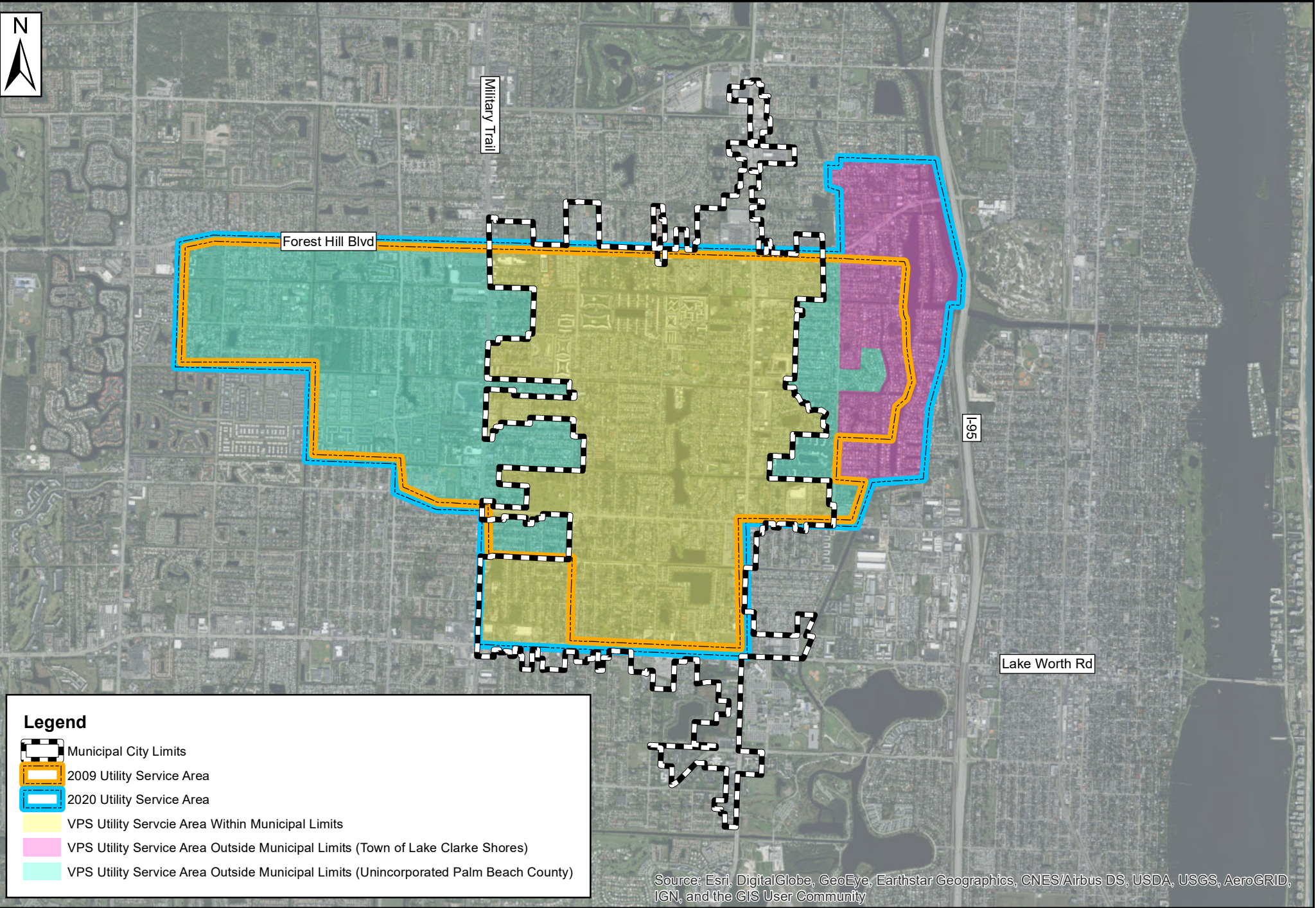
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**Village of Palm Springs Water Supply Plan 2020:
Municipal City Limits and Future Annexation Areas**

Figure 2-2



Legend

-  Municipal City Limits
-  2009 Utility Service Area
-  2020 Utility Service Area
-  VPS Utility Service Area Within Municipal Limits
-  VPS Utility Service Area Outside Municipal Limits (Town of Lake Clarke Shores)
-  VPS Utility Service Area Outside Municipal Limits (Unincorporated Palm Beach County)

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



3.0 Data and Analysis

3.1 Population Information

Existing and future water usage, population served in the Village's utility service area, and water demand data has been analyzed from the Village's WUP, the LEC WSP Update and the Palm Beach County Population Allocation Model (PBC PAM). The PBC PAM is a planning tool used within the County based on population projections prepared by the Bureau of Economic and Business Research (BEBR). Table 3-1 outlines these projections for comparison.

Table 3-1: LEC, WUP, and PBC PAM Population Comparisons

YEAR	2018 LEC	2019 PBC PAM	2009 WUP
2016	47,889	-	41,941
2018	-	48,912	42,571
2020	50,206	50,300	43,201
2025	52,810	52,954	43,947
2030	54,860	54,613	-
2035	56,645	56,704	-
2040	58,260	58,077	-

It can be observed that the data compared in the table above is not consistent. While the data from the 2018 LEC and 2019 PBC PAM are closely aligned, the 2009 WUP shows population projections with an approximate 15% difference. It should be noted that the 2009 WUP is based on data from the 2008 PBC PAM. This discrepancy in future population projections illustrates the rate of population growth in the past 10 years has increased more than anticipated when the WUP was renewed in 2009. The increase in population could be attributed to the rate of annexation experienced in the past being more than anticipated during the development of the WUP population. Until the WUP can be renewed, it is important to consider all reliable population projections for this area when considering future potable water demands. As a result, this WSP will utilize the 2018 LEC populations in the calculations that follow.

3.2 Maps of Current and Future Areas Served

A comparison of the Village's current corporate boundary and the areas of interest for annexation can be observed in Figure 2-2. Currently, the Village is concentrating on incorporating the area of Congress Avenue between Summit Blvd and Southern Blvd. The utilities in this area are currently provided by PBCWUD and did not affect the Village's service area. An increase to the Village's service size and demands due to any future annexation are not anticipated but may be forthcoming if the Village's distribution system expands to an area that is not serviced by a utility. At this time, only minimal impact, if any, on the customer size and future demands is anticipated.

While there is no set timeline for implementation of the annexation boundary shown in Figure 2-2, the Village is motivated to incorporate in the coming years.

3.3 Potable Water Level of Service Standard

The Village's level of service (LOS) standard for potable water has been determined using the average daily water consumption rate pursuant to Section 163.3164(28), F.S.

Table 3-2: VPS - Level of Service Standards

	Average Day	Storage Capacity
Village Residential (GPCD) (gpcd = gallons/capita/day)	82	
PBCWUD Residential (GPCD)	115	
Storage Capacity (MG)		2.75

Comparisons of the past five years' worth of flow data have been made and it is appropriate to maintain the LOS at 82 gpcd. These LOS standards can be found in Policy B.2.1 of the Infrastructure Element (Section IV).

3.4 Population and Potable Water Demand Projections by Each Local Government or Utility

The water demands referenced below have been presented using those from Appendix E, "Public Water Supply Utility Summaries", of the 2018 LEC WSP update as a guide.

Table 3-3: VPS - 2018 LEC WSP Updates - Palm Springs Service Area - Population and Finished Water Demand

Population and Finished Water Demand							
				Existing	Projected		
				2016	2020	2030	2040
Population				47,899	50,206	54,860	58,260
Average 2012-2016 Per Capita (gallons per day finished water)				82			
Potable Water Demands (daily average annual finished water in mgd)				3.94	4.12	4.50	4.78
Raw Water Demands (daily average withdrawal in mgd)				4.13	4.31	4.71	5.00
SFMWD Water Use Permitted Allocation (mgd)							
Potable Water Source				Permit No. 50-00036-W (expires 2029)			
SAS				4.62			
FAS				0.00			
Total Allocation				4.62			
FDEP Potable Water Treatment Capacity (PWS ID # 4501058)							
Permitted Capacity by Source				Cumulative Facility & Project Capacity (mgd)			
				Existing	Projected		
				2016	2020	2030	2040
SAS				10.00	10.00	10.00	10.00
FAS				0.00	0.00	0.00	0.00
Total Potable Capacity				10.00	10.00	10.00	10.00
Nonpotable Alternative Water Source Capacity (mg)							
Total Nonpotable Capacity				0.00	0.00	0.00	0.00
Project Summary							
Water Supply Projects	Source	Completion Date	Total Capital Cost (\$ million)	Projected Cumulative Design Capacity (mgd)			
					2020	2030	2040
Potable Water							
R.L. Pratt Washwater Recovery Basin	SAS	2025	\$1.75		0.00	0.20	0.20

Purchase Bulk Water from PBCWUD	SAS	2030	N/A		0.00	0.30 ^a	0.30 ^a
Total Potable Water			\$1.75		0.00	0.50^a	0.50^a
Nonpotable Water							
No Projects							
Total Nonpotable Water			\$0.00		0.00	0.00	0.00
Total New Water			\$1.75		0.00	0.50^a	0.50^a

^a This project is suggested by the SFWMD in order for the Village of Palm Springs to have adequate water supply to meet 2030 to 2040 demands. The Village of Palm Springs can choose to implement this project or determine an alternative source to meet the 2030 to 2040 demands.

The water demands listed above were calculated using the gross population for the service area, which is inclusive of customers outside the corporate boundaries of the Village. This population and the average water used per capacity were used to calculate the water demand projections. These projections show there may be a slight discrepancy between anticipated potable water demands and allocation based on the currently permit conditions. The Village has adequate capacity to service these customers currently, however the population growth for the future results in demands surpassing the Village's permitted allocation. Using linear interpolation of the information provided in the above table, the Village will be limited by its raw water withdrawal allocation in 2029. Therefore, solutions to make up the deficit should be implemented so they are completed and in service at this time.

Table 3-4 below presents population of the service area and potable water demand projections from 2020 to 2040 based on the LEC WSP. The Village LOS of 82 gpcd has been used rather than the LEC average shown in Table 3-3. These population estimates are in line with those developed in the PBC PAM but are higher than those accepted in the WUP. Therefore, the LEC populations have been used to provide a more conservative projection.

Table 3-4: VPS - Population and Potable Water Demand Projections

	2016	2020	2030	2040
Projected Population (Persons)	47,899	50,206	54,860	58,260
Per Capita Usage (GPD)	82	82	82	82
Per Capita Usage (GPY)	29,930	29,930	29,930	29,930
Total Annual Usage (MGY)	1,439	1,503	1,642	1,744
Avg. Monthly Usage (MGM)	120	125	137	145
Max. Monthly Usage (MGM)	144	150	164	174
Avg. Finished Daily Usage (MGD)	3.94	4.12	4.50	4.78
Avg. Raw Water Withdrawal (MGD)	4.13	4.31	4.71	5.00

Table 3-4 has confirmed the projection from the LEC and verifies the urgency for determining a solution to the Village's anticipated water source deficit. Options for consideration have been identified in Chapter 4 of this report.

3.5 Water Supply Provided by Local Government

At this time, the Village is operating under SFWMD WUP No. 50-00036-W. The permit conditions originally allowed for the withdrawal of a total annual allocation not to exceed 1,732.8 MG and a maximum monthly

allocation not to exceed 160.2 MG until October 29, 2014. However, the conditions also required the Village to reduce to an annual allocation of 1,685 MG and a maximum monthly allocation of 155.9 MG from October 30, 2014 to October 29, 2029. The WUP allows the Village to withdraw from the surficial aquifer only. Currently, there are 17 wells being utilized within 2 wellfields. The wellfields are managed by a Wellfield Operating Plan which was approved by SFWMD on May 30, 2012.

The Wellfield Operating Plan outlines several limiting conditions imposed on the wellfields to comply with SFWMD's rules on withdrawals from the surficial aquifer which are recharged from Lake Okeechobee and other RAA. The eastern wellfield has 11 wells with wells E12, E13, E14, E16 and E17 operating as the primary wells. In the western wellfield, there are a total of six wells with wells W6 and W7 operating as the primary wells. All other wells not listed are on standby. The well locations can be reviewed in Figure 3-1, Village of Palm Springs Well Locations. In addition, Table A, Description of Wells, from the WUP has been included as part of Appendix A for review.

3.6 Water Treatment Processes and Distribution Facilities

As stated previously, there are two water treatment plants (WTPs) that currently provide water to the Village customers and at both plants, a treatment procedure consisting of ion exchange followed by lime softening, filtration, disinfection, storage and pumping into the system is utilized. The VPSUD maintains three active interconnects between PBCWUD and Lake Clarke Shores.

There are several finished water storage facilities on each of the plant's properties. The Main WTP includes a 1.0 MG and 0.5 MG tanks on-site while the RL Pratt WTP includes a 0.5 MG and 0.75 MG storage tanks. The combined storage capacity of both plants is 2.75 MG.

Additionally, other utilities provide water to residents within the corporate boundaries of the Village. At this time, those utilities are PBCWUD and the City of Lake Worth Utilities Department. This water supply plan focuses only on those customers serviced by the VPSUD and additional information on these utilities could be found in their respective WSP.

3.7 Water Conservation

The Village has incorporated conservation initiatives into specific actions, programs, regulations, and opportunities. The current plan consists of the following elements:

- **Native Plants and Florida-friendly Landscaping Techniques** – The Village Land Development Code requires the use of native plant materials and Florida-friendly landscaping techniques. Where wastewater reuse systems are available for irrigation, at least 20% of landscaped areas, excluding grass, shall consist of native species. Where such systems are not available, 40% of landscaped areas, excluding grass, shall consist of native species.

The Land Development Code specifies that new irrigation systems shall be maintained separately from potable water distribution systems. No irrigation system is required for areas of native vegetation. Where irrigations systems are necessary, they shall be designed so as to make the most efficient use of water, including avoiding unnecessary overlap of spray areas so that they do not spray onto the paved portion of a public street or a public sidewalk or walkway. Property owners are encouraged to use irrigation systems designed in zones so that areas needing less water can be watered separately and less frequently than areas requiring more water.

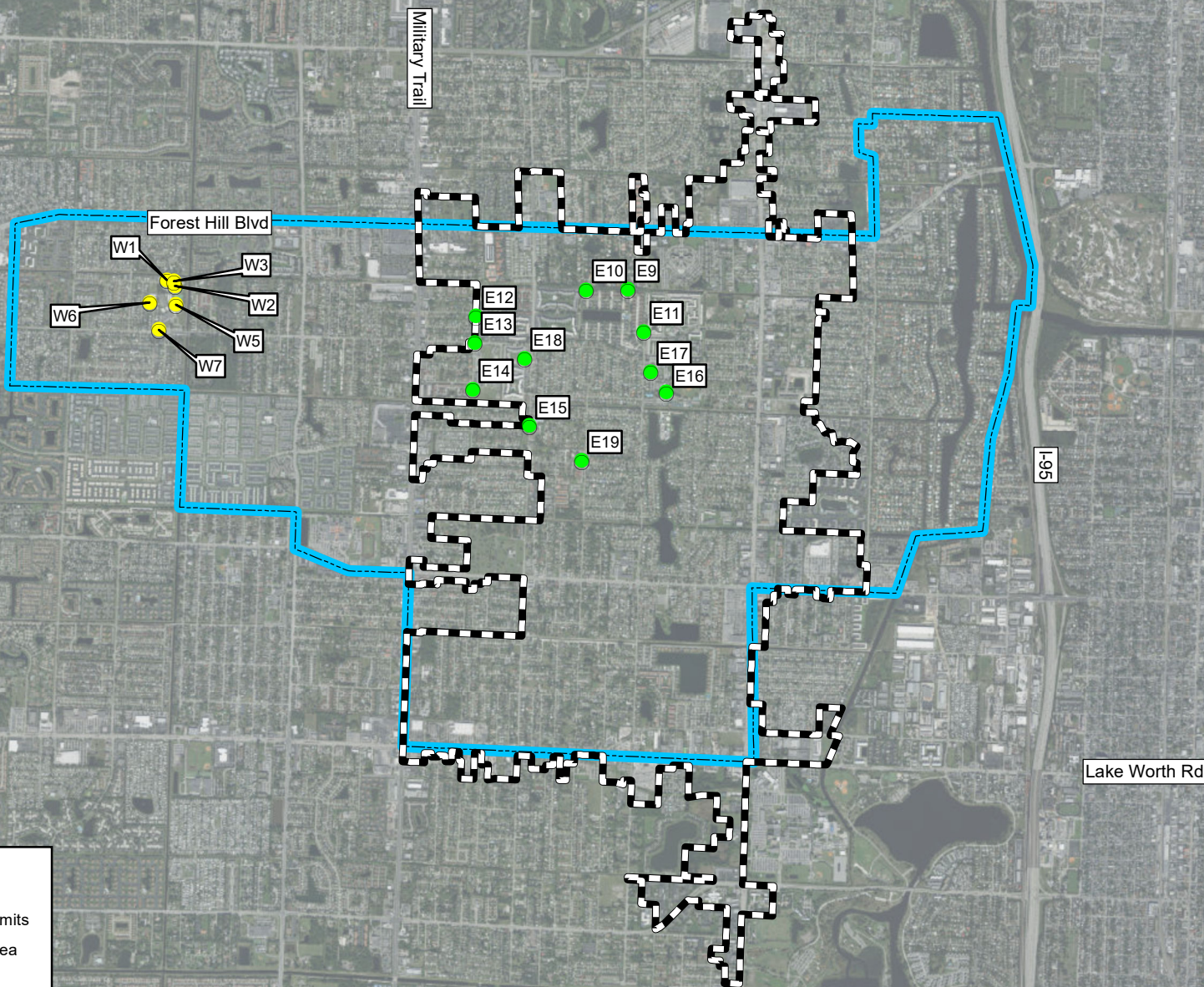
The Comprehensive Plan Policy E.2.1 of the Potable Water Sub-Element supports SFWMD's irrigation rule which limits irrigation to 3 days per week between the hours of 12:00am – 10:00am and/or 4:00pm – 11:59pm. The Village is currently working to adopt this as an ordinance in compliance with FAC 40E-24 prior to the end of this fiscal year.

- **Water Conservation-Based Rate Structure** – The Village adopted a three-tiered water rate structure which also encourages water conservation through discounted rates depending on gallons used (Code of Ordinances Chapter 78, Section 78-1). Water rates are assessed bi-monthly and are based on 1) the land use of the property and 2) the amount of water consumed. Rates are further categorized by “inside Village” and “outside Village”.
- **Leak Detection Programs** – In an effort to reduce water leakage through the distribution system, the Village tests, calibrates, and repairs/replaces water meters. The estimated annual average unaccounted-for water loss for 2018 is approximately 4%. This relatively small amount of water lost can be partly attributed to the Village's efforts in customer education and completion of an automatic meter reader (AMR) program in 2019. All meters in the Village have been converted and any new customers will have AMRs installed.
- **Rain-Sensor Override for New Lawn Sprinkler Systems** – During permit review for new irrigation systems, commercial and multi-family properties are required to incorporate rain-sensor override mechanisms.
- **Florida Water Star Program** – The Village encourages new development to incorporate principles of the Florida Water Star program and promotes certification of new construction through this program.

Overall, the Village is aiming to become more proactive towards conservation in the upcoming years. There are areas where additional efforts can be made including promoting the use of low flow fixtures, more widely used efficient irrigation systems, Florida-friendly plantings, and green building principles. Some of these efforts have already been captured in the Village's capital improvement projects which has been analyzed in greater detail in section 4.0 of this report.

3.8 Reuse Water

Wastewater treatment within the Village service area is provided by the East Central Regional Water Reclamation Facility (ECRWRF) which is operated by the City of West Palm Beach. The Village intends on continuing to coordinate with the City of West Palm Beach for this service and has no plans to construct a reclamation and reuse plant. While the ECRWRF does produce reclaim water, the option for use in the Village is not currently available. However, the Village fully supports all reuse initiatives undertaken by PBC and SFWMD and if the use of reclaimed resources becomes an option, the Village will encourage property owners to utilize reclaimed water for irrigation purposes. At this point, the ECRWRF provides reclaimed water to the FPL West County Energy Center as well as the Ballpark of the Palm Beaches and residences in several parts of the county for use in irrigation.



Legend

- Municipal City Limits
- Utility Service Area

Well Location

- Eastern Wellfield
- Western Wellfield

Application Number: 040310-2
Permit Number: 50-000036-W

Source: Esri, DigitalGlobe,
GeoEye, Earthstar, Near Community

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**Village of Palm Springs Water Supply Plan 2020:
Well Locations**

Figure 3-1

4.0 Capital Improvements

4.1 Anticipated Future Deficit

As identified previously in this report, the projected raw water required to meet future finished water demands are anticipated to surpass capacity prior to 2030. In an effort to counter this anticipated deficit, the Village has identified potential options that will assist in providing additional available capacity for its customers.

4.1.1 Modification of Water Use Permit

A Water Use Permit modification needs to be prepared and submitted before the year 2029. The Village is currently looking into drilling two replacement wells for wells No. 9 and 10. However, these new wells would not increase the Village's capacity beyond the limits set in the current permit. It is unlikely the SFWMD will increase the Village's permit allocations due to the current restrictions on surficial aquifer usage. The Village may be required to explore an alternate source, or combination of alternatives, to cover the anticipated future deficit.

4.1.2 Palm Beach County Water Agreement

A potential alternative water source would be to purchase water from PBCWUD. This alternative would supply the Village with enough water to cover the current deficit and to cover additional deficits for the next planning period. Unfortunately, this would not reduce the amount of water removed from the surficial aquifer as PBCWUD would be responsible for future demands resulting from population increases. If this agreement were to materialize, would require careful discussion and modeling to determine how much of the deficit PBCWUD could provide while remaining in compliance with all RAA restrictions and their WUP conditions. While the prolonged cost would not be ideal for the Village, this option does allow for relatively swift implementation for its future demands.

4.1.3 Floridan Aquifer Raw Water Supply and Treatment

Another potential alternative water source would be the installation of wells to withdraw raw water from the Floridan aquifer. This option would assist in achieving SFWMD's goal of reducing the strain on the surficial aquifer. Unfortunately, the Village would be required to update one of its water treatment facilities with membrane technology for proper treatment. This would be a costly undertaking for the Village and would take several years of design, permitting and construction before implementation would be complete. This is not something the Village is actively pursuing at this time due to its significant cost and tight timeline for completion prior to 2030 but may be considered as a future capital improvement.

4.1.4 Backwash Recovery Basin

Another potential alternative water source would be the design and construction of a backwash recovery basin at the R.L. Pratt WTP. The flow currently used to backwash the filters is 200,000 GPD. By incorporating this flow offset into the deficit calculations reviewed previously, this effort may provide a decrease in water needed. However, the Village would prefer to purchase the entire deficit from PBCWUD due to the significant cost associated with the backwash recovery basin project. Due to PBCWUD's upcoming WUP renewal in 2023, PBCWUD requires additional information prior to committed to the increase in bulk water purchased. The Village will continue discussions with PBCWUD and come to a resolution prior to the 2025 WSP update.

4.2 Work Plan Projects and Schedule

As part of the preparations of a WSP, local governments which are self-supplied are required to evaluate the existing community water system and determine what improvements, if any, will be required to the

existing treatment system and/or distribution infrastructure to meet the potable water demands of the service area over the projection duration. The Village has completed an evaluation of the current system and infrastructure based on the project potable water demands of the Village service area over the next 20 years.

The projects included in Table 4-2 below have been identified as assisting with preparing for water demands projected over the next 20 years. The backwash recovery basin project, suggested by SFWMD and outlined above, has been included in the plan for completion by FY 2021. In addition, the Village has outlined their interest in pursuing additional water purchase from PBCWUD. Of all the options presented, these two improvements working jointly would provide the most benefit to the Village.

While both projects are anticipated for future implementation, further specifics have yet to be determined and will be forthcoming.

Table 4-1: VPS Anticipated Projects from FY 2019 thru FY 2024

Project Name	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Two (2) Well Replacements (No. 9 and 10)	\$350,000	\$350,000					
Well Rehabilitation	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	
Emergency Power for Production Wells		\$200,000	\$200,000				
Add Wells No. 6 and 7 to RLP WTP Power Distribution				\$506,000			
Washwater Recovery Basin						\$762,000	\$2.3M
CUP Update						\$50,000	

5.0 Summary and Conclusions

5.1 Raw Water Supply vs. Projected Potable Water Demand

As previously discussed, the potable water demand projection data is based on data provided to us by the SFWMD. It should be noted that the data provided by the SFWMD with current operating data indicates that data provided is consistent with the current population increase and per capita water usage within the Village's service area.

5.2 Comprehensive Plan Goals, Objectives, and Policies

The Village has put forth a set of goals, objectives, and policies in its Comprehensive Plan. The revised Comprehensive Plan will incorporate updates from this WSP, as recommended in Appendix C, as required by Section 163.3177 (6) (c), F.S.

APPENDIX A

DESCRIPTION OF WELLS

TABLE - A
Description Of Wells.

Application Number: 040310-2

Well ID	21289	21290	22816	22818	22819	22820
Name	E9	E10	E11	E12	E13	E14
Map Designator	E9	E10	E11	E12	E13	E14
FLUWID Number						
Well Field						
Existing/Proposed	E	E	E	E	E	E
Well Diameter(Inches)	12	12	20	20	20	20
Total Depth(feet)	210	210	198	201	216	288
Cased Depth(feet)	104	102	116	124	125	183
Facility Elev. (ft. NGVD)						
Screened Interval						
From						
To						
Pumped Or Flowing	P	P	P	P	P	P
Pump Type	turbine	turbine	turbine	turbine	turbine	turbine
Pump Int. Elev. Feet (NGVD)						
Feet (BLS)	60	60	60	83	87	110
Pump Capacity(GPM)	700	700	900	1200	1200	1200
Year Drilled	1977	1977	1992	1992	1992	1992
Planar Location						
Source	REVIEWER	REVIEWER	REVIEWER	REVIEWER	REVIEWER	REVIEWER
Feet East	951000	950000	951400	947400	947400	947400
Feet North	842000	842100	841100	841400	840800	839800
Accounting Method	flow meter	flow meter	flow meter	flow meter	flow meter	flow meter
Use Status	Standby	Standby	Standby	Standby	Standby	Primary
Water Use Type	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply
Aquifer	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System

TABLE - A
Description Of Wells.

Application Number: 040310-2

Well ID	22821	21287	231089	194761	194762	22822
Name	E15	E16	E17	E18	E19	W1
Map Designator	E15	E16	E17	E18	E19	W1
FLUWID Number						
Well Field						
Existing/Proposed	E	E	E	E	E	E
Well Diameter(Inches)	20	20	20	24	24	8
Total Depth(feet)	156	180	190	127	137	135
Cased Depth(feet)	94	130	120	80	102	100
Facility Elev. (ft. NGVD)						
Screened Interval From						
To						
Pumped Or Flowing	P	P	P	P	P	P
Pump Type	turbine	turbine	turbine	submersible	submersible	turbine
Pump Int. Elev. Feet (NGVD)						
Feet (BLS)	60	62	68	60	60	32
Pump Capacity(GPM)	1200	1500	1500	1400	1000	500
Year Drilled	1992	1999	1999	2006	2006	1959
Planar Location Source	REVIEWER	Migrate	REVIEWER	REVIEWER	REVIEWER	REVIEWER
Feet East	948600	951800	951500	948600	949900	940400
Feet North	838900	839700	840200	840500	838100	842200
Accounting Method	flow meter	flow meter	flow meter	flow meter	flow meter	flow meter
Use Status	Primary	Standby	Standby	Standby	Primary	Standby
Water Use Type	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply
	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System
Aquifer						

TABLE - A
Description Of Wells.

Application Number: 040310-2

Well ID	22823	22824	22826	22827	22828
Name	W2	W3	W5	W6	W7
Map Designator	W2	W3	W5	W6	W7
FLUWID Number					
Well Field					
Existing/Proposed	E	E	E	E	E
Well Diameter(Inches)	8	8	14	20	20
Total Depth(feet)	141	135	170	182	168
Cased Depth(feet)	113	109	115	103	105
Facility Elev. (ft. NGVD)					
Screened Interval					
From					
To					
Pumped Or Flowing	P	P	P	P	P
Pump Type	turbine	turbine	turbine	turbine	turbine
Pump Int. Elev. Feet (NGVD)					
Feet (BLS)	32	32	43	74	80
Pump Capacity(GPM)	500	400	1400	1400	1400
Year Drilled	1959	1959	1983	1992	1992
Planar Location					
Source	REVIEWER	REVIEWER	REVIEWER	REVIEWER	REVIEWER
Feet East	940400	940200	940400	939800	940100
Feet North	842000	842200	841700	841700	841100
Accounting Method	flow meter	flow meter	flow meter	flow meter	flow meter
Use Status	Standby	Standby	Standby	Standby	Primary
Water Use Type	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply	Public Water Supply
Aquifer	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System	Surficial Aquifer System

APPENDIX B

VPS CONSUMER CONFIDENCE REPORT (2019)



2019 Water Quality Report Village of Palm Springs

Este informe contiene información muy importante sobre su agua potable. Visite Village Hall para obtener una copia de este informe en español.

Delivering Excellence

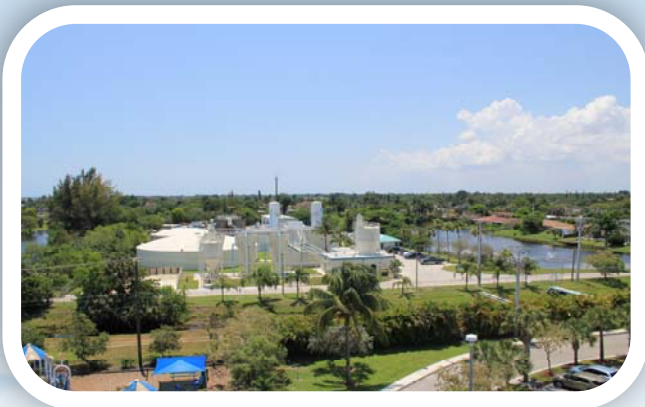
The Village of Palm Springs is pleased to provide you with this year's Annual Drinking Water Quality Report. We want to keep you informed about the excellent water and services we have delivered to you over the past year. Our goal is and always has been, to provide to you a safe and dependable supply of drinking water.

Our Water Origins

The Village of Palm Springs gets its water from groundwater wells that draw from the surficial aquifer in eastern Palm Beach County. This groundwater source is adequately protected by the Palm Beach County Wellfield Protection Ordinance, which the Village of Palm Springs strictly adheres to. The Village of Palm Springs Water Treatment Plant pre-treats the raw water with a magnetic ion exchange (MIEX) system to remove organics before lime softening to remove hardness. It is then disinfected using chloramines (chlorine and ammonia compound) and filtered before delivery to your home or business through a network of underground pipes. This report shows our water quality results from 2019 and what they mean.



Village Manager Richard Reade, Vice Mayor Joni Brinkman,
Council Member Doug Gunther, Mayor Bev Smith, Council
Member Gary Ready, Mayor Pro Tem Patti Waller



"A Great Place To Call Home"

Contaminants

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water include:

(A) Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

(B) Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

(C) Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

(D) Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

(E) Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

Lead, if present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Village of Palm Springs is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead

Contaminants Cont.

To ensure that tap water is safe to drink, the EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Understanding Your Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791

Assessments

In 2019 the Florida Department of Environmental Protection performed a Source Water Assessment on our system. The assessment was conducted to provide information about any potential sources of contamination in the vicinity of our wells. There are five potential sources of contamination identified for this system with a low to moderate susceptibility level. The assessment results are available on the FDEP Source Water Assessment and Protection Program website at www.dep.state.fl.us/swapp or they can be obtained from (561) 965-4022.



Immuno-Compromised Individual

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Center for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

EPA Requirements

The Environmental Protection Agency (EPA) requires monitoring of over 80 drinking water contaminants. Those contaminants listed in the table below are the only contaminants detected in your drinking water.

Improvements

In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit all of our customers. These improvements are sometimes reflected in rate structure adjustments. We at the Village of Palm Springs work around the clock to provide safe, dependable, great tasting water to every tap. We ask that all our customers help us protect our water sources, which are the heart of our community, our way of life and our children's future. We encourage our valued customers to be informed about their water utility. If you want to learn more, please contact Mr. Paul Ward, Utilities Superintendent, at (561) 965-4022 or attend one of our scheduled council meetings. For more information concerning your water utility or a schedule of council meetings please visit www.vpsfl.org.

Monitoring Results

The Village of Palm Springs routinely monitors for contaminants in your drinking water according to Federal and State laws. The table on the following page shows the results of our monitoring for the period, of January 1st to December 31st 2019.



TEST RESULTS TABLE

Disinfectant or Contaminant and Unit of Measurement	Dates of Sampling (mo/yr)	MCL or MRDL Violation Y/N	Level Detected	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination
Chloramines (ppm)	01/19 - 12/19	N	2.99	.9 - 4.3	MRDLG = 4	MRDL = 4.0	Water Additive used to Control Microbes
Contaminant and Unit of Measurement	Dates of Sampling (mo/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination

Inorganic Contaminants

Nitrate (as Nitrogen) (ppm)	02/19	N	0.076	0.066 - 0.076	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage, erosion or natural deposits
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Microbiological Contaminants

Contaminant and Unit of Measurement	Dates of Sampling (mo/yr)	TT Violation Y/N	Result	MCLG	TT	Likely Source of Contamination
1. Total Coliform Bacteria	01/19-12/19	N	Negative	N/A	TT	Naturally Present in the Environment

Stage 2 Disinfectant and Disinfection By-Product

For haloacetic acids or TTHM, the level detected is the highest RAA, computed quarterly, of quarterly averages of all samples collected if the system is monitoring quarterly or is the average of all samples of all samples taken during the year if the system monitors less frequently than quarterly. Range of Results is the range of individual sample results (lowest to highest) for all monitoring locations.

Contaminant and Unit of Measure	Dates of Sampling (mo/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG or MRDLG	MCL or MRDL	Likely Source of Contamination
HAA5 (ppb) (Haloacetic Acids)	01/19, 04/19, 08/19, 10/19	N	35.9	14.3-46.6	N/A	60	By-product of drinking water disinfection
TTHM (ppb) (Total Trihalomethanes)	01/19, 04/19, 08/19, 10/19	N	38.05	18.5-54.6	N/A	80	By-product of drinking water disinfection

As you can see by the tables, our system had no violations. We're proud that your drinking water meets or exceeds all Federal and State requirements.

Data Table Key, Definitions, and Abbreviations

In this table you may find many terms and abbreviations you might not be familiar with.

To help you better understand these terms we've provided the following definitions:

Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Initial Distribution System Evaluation (IDSE): An important part of the Stage 2 Disinfection By-Products Rule (DBPR). The IDSE is a one-time study conducted by water systems to identify distribution system locations with high concentrations of trihalomethanes (THMs) and haloacetic acids (HAAs). Water systems will use results from the IDSE, in conjunction with their Stage 1 DBPR compliance monitoring data, to select compliance monitoring locations for the Stage 2 DBPR.

Locational Running Annual Average (LRAA): The average of sample analytical results for samples taken at a particular monitoring location during the previous four calendar quarters.

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Parts per million (ppm) or Milligrams per liter (mg/l): one part by weight of analyte to 1 million parts by weight of the water sample.

Parts per billion (ppb) or Micrograms per liter (ug/l): one part by weight of analyte to 1 billion parts by weight of the water sample.

Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water.



"A Great Place To Call Home"



Village of Palm Springs

226 Cypress Lane

Palm Springs FL 33461

WWW.VPSFL.ORG

(561) 965-4022



APPENDIX C

RECOMMENDED COMPREHENSIVE PLAN UPDATES

Chapter IV
Infrastructure Element
(Sanitary Sewer, Solid Waste, Drainage, Potable Water
and Natural Groundwater Aquifer Recharge)
Goal, Objectives and Policies

- Goal:*** "An efficient and effective System of Village owned public utilities that are operated and maintained in accordance with accepted levels of service, which promote orderly urban growth; and providing for the general health, safety and welfare of the Village residents, as well as, the Village's designated service area."
- Objective A:*** Ensure through the land development approval process that, at the time a building permit is issued, adequate public facility capacity is available or will be available at the time of occupancy.
- Policy A.1:*** All Goals, Objectives and Policies applicable to potable water are located in the Potable Water Sub-Element within this Infrastructure Element.
- Policy A.2:*** The Public Works Department shall maintain a current record of the level of service for sanitary sewer, solid waste and drainage. The concurrency test for facilities and services will be determined by comparing the available capacity of a facility or service to the demand created by the proposed project. Available capacity will be determined by adding together any capacity demands committed through concurrency reservations for building permits approved prior to and subsequent to the adoption of the Comprehensive Plan but not receiving services and existing services being delivered. Subtract that total from the design capacity of the facility; the remainder is the capacity available to serve the new development project.
- Policy A.3:*** Public facility Level of Service standards as displayed on Table 2 are hereby adopted, and shall be used as the basis for estimating the availability of capacity and demand generated by a proposed development project.

TABLE 2
VILLAGE OF PALM SPRINGS PUBLIC FACILITY CONCURRENCY
MANAGEMENT SYSTEM

PUBLIC FACILITY	LEVEL OF SERVICE STANDARD
Sanitary Sewer	Average Daily Sewage Generation Rate Residential: Single Family 350 gallons/day/dwelling unit Multiple Family 250 gallons/day/dwelling unit Non-Residential: 0.20 gallons/acre/day
Solid Waste	Average Generation Rate Garbage: 4.92 lbs./capita/day Trash: 1.75 lbs/capita/day
Drainage	Design Storm: Three (3) year frequency, 24-hour (one day duration; rainfall intensity curve as established by the South Florida Water Management District).
<i>Policy A.4:</i>	All development and/or redevelopment activities shall be reviewed in a manner consistent with adopted Level of Service standards as part of the site plan review and land development process.
<i>Policy A.5:</i>	The Public Works Department shall, in cooperation with the public utility service providers update facility demand and capacity information, as development permits are issued.
<i>Policy A.6:</i>	Prohibit the installation of additional septic tank systems, and require all new developments be served by the central wastewater system. Require all new developments to be served by central water systems.
<i>Policy A.7:</i>	Prohibit the installation of individual wells in proximity to the one (1) foot drawdown contour (Zone 3), as defined by Palm Beach County Wellfield Protection Program.

Potable Water Sub-Element Goal, Objectives and Policies

Goal: “Protect the health, safety and welfare of the public while preserving a high-quality potable water supply for current and future use that complies with regulatory requirements.”

Objective B: *Potable Water Facilities and Level of Services:*

Continue to preserve the potable water supply as resource, both in quantity and quality by maximizing the use of existing facilities, correcting facility deficiencies and enhancing the ability to meet or exceed adopted Level of Service Standards during the ten year planning period applicable to the Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~). ✓

2020-2030

Policy B.1: It will be necessary to coordinate land uses and future land use changes with the availability of water supplies and the water supply facilities.

Policy B.1.1: During the building permit stage, water supply concurrency must be met.

Policy B.1.2: The sharing and updating of information to meet ongoing water supply needs and establishing LOS standards shall occur through coordination between SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, ~~Green Acres~~ and Atlantis.

Replace with
"Lake Worth
Utilities"

Policy B.2: Based on historic data and projected growth patterns, the Village shall adopt and impose the following LOS standards for potable water as the basis for determining the availability of facility capacity and planning for demand to be generated by development.

Policy B.2.1: The LOS standards for residential users will be:

A. 82 GPCD (GALLONS PER CAPITA/DAILY) LOS shall be utilized for that area served by the VPSUD; however, it is understood that 110 GPCD is the average set by the SFWMD for the area.

B. 115 GPCD LOS shall be utilized for that area served by the PBCWUD; however, it is understood that 110 GPCD is the average set by the SFWMD for the area.

Policy B.2.2: The LOS standards for additional water supply measures are:

A. A minimum pressure of 20 pounds per square inch shall be maintained.

B. 25% of the maximum daily flow + fire demand (120 min. x 1,000 gpm) shall be maintained in storage capacity.

Policy B.3: Require all new developments to be served by central water systems.

Policy B.4: With any addition to the Village of Palm Springs' service area, the Village shall redefine their service area boundaries by Ordinance, as per provisions of Chapter 180, Florida Statutes, as amended.

Policy B.4.1: Coordination among SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, ~~Green Acres~~, and Atlantis will occur should a change in service area occur or an annexation occurs in the Village.

Replace with
"Lake Worth
Utilities"

Policy B.5: When the Village's potable water facility reaches 80% percent of the SFWMD CUP and/or FDEP permitted plant capacity, the Village shall consider revising the Capital Improvement Plans, initiate FDEP permit modifications or renewal procedures, or seek a modification to increase the allocation under the CUP.

Date of Comp
Plan adoption.

2020-2030

Policy B.6: The Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~) adopted May 14, 2015 is incorporated herein by reference. The Village will continue to make appropriate changes to the Comprehensive Plan, LDC and other policies/regulations in order to implement the updated Water Supply Facilities Work Plan (2015-2025).

to be

2020-2030

2020-2030

Date of Comp
Plan adoption.

Policy B.7: The Village shall comply with the Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~) adopted May 14, 2015, which has been updated consistent with the SFWMD Lower East Coast Water Supply Plan.

Update, published on
January 14, 2019.

Policy B.7.1: The Plan, at a minimum, shall identify new or proposed water supply facilities that are necessary to serve existing and new development through ~~2018~~.

2030

Policy B.8: The Village's water system shall be maintained in a manner which meets or exceeds quality standards of regulatory agencies.

Policy B.8.1: The Village ~~shall~~ ~~cooperate~~ ~~with~~ the SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, ~~Green Acres~~ and Atlantis to evaluate water consumption rates to ensure consistency with LOS and permitted amounts.

Replace with
"Lake Worth
Utilities"

Policy B.9: Prohibit the installation of individual wells in proximity to the one (1) foot Village of Palm Springs Comprehensive Plan

Infrastructure Element
Amended: January 26, 2009
and January 14, 2016

drawdown contour (Zone 3), as defined by Palm Beach County Wellfield Protection Program.

and quantity

or the regional system, including the Lake Okeechobee service Area and Water Conservation Areas.

Policy B.10: Maintain a monitoring program of existing well fields to assure that the quality of potable water drawn from Village wells does not threaten the general health and welfare of the community

Policy B.11: ~~Locate new well fields, as the need becomes evident, in areas where the groundwater supply is not threatened by potential pollution sources.~~

maintain

Policy B.12: The Village shall ~~increase the number of~~ wells to provide adequate capacities, as permitted by the South Florida Water Management District (SFWMD), to service new development activities and usage.

The Village shall expand

Policy B.13: ~~Expand~~ water treatment facilities to meet or exceed maximum day withdrawal from the raw water supply in accordance with the current water use permit.

Policy B.14: Increase water storage capacity consistent with water system expansions.

Policy B.15: As expansion to the water system occurs, loop distribution lines to maintain water quality in the lines and provide for more even water pressure.

Policy B.16: Assure that fire flow requirements are met as the water system is expanded.

Objective C: ***Aquifer Sustainability:*** Provide adequate potable water services to the service area while carefully considering aquifer water production limitations.

Policy C.1: Replace with "Lake Worth Utilities" ~~in cooperation with SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, Green Acres and Atlantis, the Village shall identify long-term water supply strategies that are consistent with applicable use permits and appropriate regional Water Supply Plans.~~

Policy C.2: The Village shall participate in the water supply planning process, which includes the SFWMD and pertinent government entities, with the intention of developing a regional water supply plan that ensures sufficient quantity and quality of potable water resources are available for future use without creating unacceptable implications on natural resources.

Policy C.3: Replace with "Lake Worth Utilities" ~~Coordinate with SFWMD, Palm Beach County Water Utilities Department, Lake Clark Shores, Green Acres and Atlantis will be undertaken to evaluate opportunities for additional water supply sources~~

and recovery technologies when the Village considers new or expanded facilities.

Objective D: **Existing Facilities and Urban Sprawl:** Maximize the use of existing facilities, discourage urban sprawl and coordinate future expansion plans consistent with projected needs to accommodate development at the densities permitted in the Future Land Use Element of the Comprehensive Plan.

Policy D.1 Where appropriate, the Village shall require developers to submit a report for all LOS-based potable water systems expansion projects prior to issuance of a development order which demonstrates that development projects are consistent with **Objective D**.

Policy D.2 The Village shall allow development (based on the FLUM) only in areas that have sufficient existing or planned capacity for potable water facilities and where connection is available.

Objective E: **Water Conservation:** Actively participate in potable water conservation practices and programs on an ongoing, as well as, on an emergency basis.

Policy E.1: Promote the use of non-potable water for uses other than for human consumption as part of the site plan and land development review process when the health of the citizenry is not threatened, such as for irrigation at recreational and governmental sites.

Policy E.2: Maintain a Landscape Ordinance which requires the use of water- efficient landscaping in all new development and redevelopment, and require functioning rain-sensor devices on all new automatic irrigation systems and requires the conservation of water in irrigation by promoting the use of native vegetation and/or the SFWMD's Florida Friendly Landscaping practices when considering all proposals for development and/or redevelopment.

Policy E.2.1: The City will continue to enforce the SFWMD's lawn and landscape irrigation rule, which limits irrigation to three days per week (based on address) between the hours of 12 a.m. to 10 a.m. AND/OR 4 p.m. to 11:59 p.m. with some exceptions, as may be revised.

Policy E.3: Maintain regulatory codes, consistent with Section 553 of the Water Conservation Act, F.S., to promote the use of low volume fixtures and other water saving devices in both public facilities, as well as, in private use.

Policy E.4: The Village will promote and educate developers and the public regarding

the use of low impact development techniques such as the Florida Water StarSM program, which is a point based, new home certification program for water-efficient developments, similar to the Federal Energy Star program.

Policy E.4.1: The Village shall issue no development orders or development permits without first consulting with the Village of Palm Springs Utilities Department and the Palm Beach County Water Utilities Department to determine whether adequate water supplies to serve the development will be available no later than the anticipated date of issuance by the Village of a certificate of occupancy or its functional equivalent. The Village will also ensure that adequate water supplies and facilities are available and in place prior to issuing a certificate of occupancy or its equivalent.

Policy E.5: The Village shall implement and enforce Water Shortage Emergency Provisions, established under Chapter 40E-21, Florida Administrative Code, upon declaration of a water shortage emergency by the South Florida Water Management District.

Policy E.5.1: Adoption of SFWMD's Irrigation Rule

Policy E.6: A contingency plan shall be maintained for restricted use of the potable water supply in times when current supply is insufficient or inadequate.

Policy E.7: In an effort to facilitate better water conservation management, the Village shall strive to reduce consumptive water use for the Village's water system by continuing graduated water use rates (Ordinance 2015-17), that establish a premium charge for potable water usage above the LOS standards developed in Policies B.2.1 and B.2.2.

Policy E.7.1: The Village shall inform residents and businesses of, and shall encourage their participation in, the local and regional water conservation programs. These information and educational programs shall include the following types of efforts:

- a. Brochures and signage to be made available at Village Hall.
- b. Pursuing funding through SFWMD Community education Grant and cooperative funding programs for educational efforts such as demonstration gardens and prototype landscaping on public properties; and,
- c. Inviting speakers for forums or workshops at Village Hall.

Policy E.7.2: The Village shall continue a leak detection and repair program for all Village facilities. It shall also encourage its citizens to adopt such a program for their own individual properties.

Objective F: *Alternative Water Supplies:* When appropriate, the Village shall explore opportunities to use alternative water supplies as sources for future water needs.

Policy F.1: The Village shall utilize alternative water supply sources, if feasible, when improving or expanding the water system.

Policy F.2: The Village shall encourage other suppliers of potable water to the ~~village~~ to utilize alternative water supply sources, if feasible, when improving or expanding the water system that serves the Village.

Objective G: Continually coordinate with the City of West Palm Beach, the designated service agent for the "East Central" sub- regional system, during the five (5) year planning period, to continue to provide sanitary sewer treatment facilities and services to meet existing and projected future wastewater demands for the sub-region with continued transmission of the Village's wastewater to the regional facility through Interlocal Agreements with both Palm Beach County and the City of Lake Worth.

Policy G.1: Require a high level of service for the residents of the Village by the utility service agent that is consistent with the Interlocal Agreements with Palm Beach County and the City of Lake Worth.

Policy G.2: Ensure constant monitoring of rate structures so that the lowest possible cost results to the Village ratepayer. The Village should perform a rate structure study, as appropriate.

Policy G.3: Maintain a high level of coordination between the Village and the utility service agent that is consistent with terms and conditions of the Interlocal Agreements.

Policy G.4: Continue participation in the "East Central" sub-region through sub-agreements for the Collection and transmission of wastewater with the City of Lake Worth and Palm Beach County.

Policy G.5: The Village staff shall study and explore the legal and management alternatives available to the ~~village~~ to facilitate its efficient service to the unincorporated portion of their service area.

Objective H: Continue to provide a central wastewater collection system to the citizens of the Palm Springs' service area during the five (5) year planning period.

Policy H.1: Maintain and update the Village's wastewater master plan within the

Policy G.6
The Village staff shall study and explore the introduction of reclaimed water services for the residents for the Village

Village

Village

five (5) year planning period as a guide to economically program necessary improvements to the wastewater collection system.

Policy H.2: Update and expand, as necessary, Village development regulations to require the construction of wastewater facilities that are in conformance with standards set forth by the Village at the developer's cost.

Policy H.3: The Village shall continue as the service agent for the maintenance and operation of the wastewater collection system within the Palm Springs' service area.

Objective I: The Village of Palm Springs shall continue to provide drainage services during the five (5) year planning period to meet existing and future demand in order to prevent or minimize flood hazards.

Policy I.1: Provide a proper mix of surface and subterranean drainage facilities which will effectively receive and direct stormwater runoff. This provision shall be maintained in the site plan review procedures of the Palm Springs' Land Development Code Ordinance.

Policy I.2: Improve existing stormwater drainage facilities where needed, especially in special flood hazard areas surrounding the lakes within the Village consistent with the Five (5) Year Schedule of Improvements.

Policy I.3: Ensure adequate stormwater drainage is provided in proposed developments by requiring developers to be responsible for providing the necessary drainage facilities. This provision shall be made in the site plan review procedures of the Palm Springs' Comprehensive Zoning Ordinance.

Policy I.4: Continue to update and maintain land development regulations which provide for adequate drainage facilities in conformance with the allowable stormwater discharge criteria established by the South Florida Water Management District, and which discharge criteria established by the South Florida Water Management District, and which address minimizing pollution into the lakes and canals in the Village.

Policy I.5: Continually maintain close liaison and coordination with the Lake Worth Drainage District to assure that the Village has input into the District's Plan of Reclamation during the five (5) year planning period.

Policy I.6: Require appropriate land uses in flood prone areas, as per the requirements of the Village Flood Damage Protection Ordinance and Building Code.

- Policy I.7:* Provide for periodic review and updating of drainage plans and annual drainage programs of maintenance and improvement, as part of the annual budgetary process.
- Policy I.8:* Establish a routine maintenance program for all catch basins and conduits within the Village.
- Objective J:** Maintain stormwater drainage regulations within the Subdivision Regulations Ordinance that protect natural drainage features and ensure that future development utilizes stormwater management systems in a manner to protect the functions of recharge areas and natural drainage features.
- Policy J.1:* As part of the site plan review process, the Village should require that post-development runoff rates, volumes and pollutant loads be the same as predevelopment conditions and preserve existing natural drainage features by utilizing South Florida Water Management District's techniques.
- Policy J.2:* Protect and preserve water quality by use of construction site Best Management Practices (BMP's) and the incorporation of techniques such as on-site retention, use of pervious surfaces and native vegetation when considering proposals for land development and/or redevelopment.
- Policy J.3:* Protect water quality with development review and regulations which encourage eighty-five percent (85%) on-site retention of stormwater runoff and maintains open space and ground cover for maximum infiltration and percolation of stormwater by revising appropriate regulations within one (1) year from submittal of this Plan.
- Policy J.4:* Enforce existing subdivision regulations which protect natural vegetation in order to reduce erosion and minimize runoff pollution.
- Policy J.5:* Protect environmentally sensitive areas by controlling adjacent land uses by Interlocal Agreements or acquisition, if necessary,
- Objective K:** Continue to provide solid waste collection service during the five (5) year planning period to meet existing and future demands in a responsive and cost effective manner.
- Policy K.1:* The Village shall maintain a public information service in order to keep the citizenry aware of collection schedules and placement of refuse containers.

- Policy K.2:* In an effort to reduce costs of a high solid waste generation area as Palm Springs, the Village shall request the Solid Waste Authority of Palm Beach County to assist the Village in analyzing the efficiency of collection routes when they are questioned.
- Policy K.3:* Village management should be in regular communication with the private hauler serving the Village to coordinate the collection of solid wastes from apartments and commercial establishments that presently utilize private haulers in an effort to assure adequate and uninterrupted collection service.
- Policy K.4:* In order to assure continued service to areas that are served by private haulers, the Village shall maintain a liaison with private haulers to transfer complaints and to offer information to residents regarding collection and disposal of all solid waste.
- Policy K.5:* The Village shall maintain a regular service program of all vehicles and equipment used in the collection service in order to minimize breakdown, which may result in interruptions to service schedules.
- Objective L:*** The Palm Beach County Solid Waste Authority shall continue to provide solid waste disposal services during the five (5) Year Planning Period to the Village of Palm Springs to meet existing and projected future demands.
- Policy L.1:* Maintain the liaison and communication between the Village Manager and the Solid Waste Authority, and its Executive Director in order to ensure the Village's input to the management of established landfill sites and the purchase/development of any future landfill sites, or other alternative manner of solid waste disposal.
- Policy L.2:* Expand the Village's resource recovery program of paper collection to the collection of other items such as aluminum, plastics and glass that is consistent with Countywide resource recovery program goals when the Countywide program becomes available.
- Policy L.3:* The Village Manager shall maintain a liaison and communication with the Solid Waste Authority and its Executive Director to ensure input to developing collection techniques and methods for separation of solid waste materials, and other collection/disposal of a Countywide or regional concern.
- Policy L.4:* The Village shall continue monitoring construction sites to assure that solid wastes generated from construction activities on-site is disposed of in a proper and timely manner.

Objective M: To maintain a five (5) year schedule of capital improvements needs to be updated annually, in conformance with the **Capital Improvements Element**. Capital improvements needs are defined as: (1) those improvements necessary to correct existing deficiencies in order to maximize the use of existing facilities; or (2) those improvements necessary to meet projected future needs without encouraging urban sprawl.

Policy M.1: Existing deficiencies will be addressed by undertaking the following activities:

Sanitary Sewer - Several existing deficiencies have been identified with the "East Central" sub-regional system by the City of West Palm Beach, utility service agent; however, it is concluded that none of the deficiencies have resulted from any activities within the Village limits, nor are the deficiencies of a nature that can be addressed solely by the Village. As a result, Village action is limited to participation of the Village Manager and Utilities Director in the development of cooperative solutions under the direction of the City of West Palm Beach, City of Lake Worth and Palm Beach County, with the Village concentrations on meeting the future wastewater collection requirements within the Village's service area.

Solid Waste - The Village shall continue its program of collecting oil, paint and other household toxic wastes and shall also, request the Palm Beach County Solid Waste Authority, for refuse separation within the Village.

Drainage - Implement and update, within the five (5) year planning period, improvements to the existing drainage system in the Village. Also, continue the program of annual inspections, as a means of monitoring the efficiency of the system. Furthermore, assess the results of the annual program every five (5) years to determine whether or not corrective action is needed.

Stormwater Permits – Meet the requirements of the Village's portions of the Municipal Separate Storm Sewer System (MSA) permit.

Groundwater Recharge - Participate, through the occupational license procedure, with Palm Beach County to identify and regulate any uses from potentially polluting the Village's potable water well fields.

Policy M.2: The Village shall continue to evaluate and rank capital improvement projects proposed for inclusion in the five (5) year schedule of needs.

Policy M.3: Guidelines shall be developed to evaluate and rank proposed capital improvement projects with the following provided as suggested priority levels:

Level One - whether the project is needed to protect public health and safety in order to fulfill the Village's legal commitment to provide facilities and services, or to preserve or achieve full use of existing facilities.

Level Two - whether the project increases the efficiency of use of existing facilities, prevents or reduces future improvement costs, provides services to developed areas currently lacking full service, or promotes in-fill development.

Level Three - whether the project represents a logical extension of facilities and services within a designated Village Planning Area.

Objective N: Discourage urban sprawl in order to achieve a compact urban form. Measures to accomplish this objective shall include concurrency management requirements and site development regulations such as access management, intensity, and density limitations consistent with this Plan.

Policy N.1: All land uses that have been developed or approved for development within the Village must be adequately served by existing public utilities and services before the Village may approve any new development, redevelopment, or annexations that would require use of these utilities and services. These utilities and services shall include the following for which the Village has set a Level of Service Standard, including:

Water facilities
Sewer facilities
Drainage facilities
Roadways
Recreational facilities

Policy N.2: The Village shall direct urban growth to areas which can be served efficiently by public services and facilities in conformance with local land development regulations and the Village's five-year plan for capital improvements to discourage the proliferation of urban sprawl.

Policy N.3: No land use approval for new development, redevelopment or annexation shall cause facilities or services to fall below adopted local Level of Service Standards, as contained in the Capital Improvements Element of this Comprehensive Plan. Public facilities and services necessary to serve the proposed development, redevelopment, or annexation must be available, at the adopted local levels of service, concurrent with the impacts of development.

Policy N.4: All development shall be compatible with and complementary to surrounding land uses and shall not negatively affect existing approved activities.

Chapter V

Conservation Element

Goal, Objectives, and Policies

- Goal:** "A quality environment which protects, conserves and enhances the natural resources of the Village, and which is compatible with the development of Palm Springs."
- Objective A:** Protect and maintain a level of air quality which, as a minimum, complies with federal, state, and regional pollution control standards.
- Policy A.1:** Ensure that all existing and new development, as well as, facilities that emit gases or other substances which may degrade the environment, comply with applicable air quality standards. (As documented in PL 88-206).
- Policy A.2:** Adjust local codes and ordinances as necessary, to reflect current air quality standards as these become available.
- Policy A.3:** Support the efforts of local pollution control agencies to monitor air quality in the Village and coordinate and cooperate with these agencies in order to assure appropriate local input.
- Policy A.4:** Support the efforts of the Palm Beach County Metropolitan Planning Organization in the reduction of pollution resulting from vehicular movements.
- Policy A.5:** Continue to restrict and prohibit the open burning of trash, garbage, debris from land clearing and other identified matter within the Village.
- Objective B:** Protect and maintain Class III waters at a water quality suitable for limited water sports activities and for the management and propagation of fish and wildlife.
- Policy B.1:** Ensure that any development and subsequent use in or effecting Lake Bonita, Lake Palmarito, Lake Sago and other lakes and water features within the Village does not degrade water quality below approved standards (as documented in Chapter 17-3, Florida Administrative Code), by designating the lakes and canals as conservation uses and by requiring developers and landowners to provide such evidence as part of the site plan review and land development process.
- Policy B.2:** Strive to minimize direct or indirect stormwater runoff that may degrade the quality of water through coordination with Lake Worth Drainage District and South Florida Water Management District, through strict review of drainage plans as part of the site plan and land development process.
- Policy B.3:** Coordinate with the Palm Beach County Health Department/Palm Beach County Environmental Resource Department in monitoring Class III waters in order to constantly assess water quality and prevent degradation.

- Policy B.4:* Limit water-related recreational activities within the Village lakes, in order to assure that water quality is not adversely affected, through enforcement of local codes and ordinances that already exist. 2020-2030
- Objective C:* To protect and conserve water supplies, consistent with the Water Supply Facilities Work Plan for the Village of Palm Springs (2015-2025), adopted May 14, 2015, which is incorporated herein by reference. Date of Comp Plan adoption.
- Policy C.1:* Maintain water conservation techniques and programs in cooperation with the South Florida Water Management District and other appropriate agencies such as use of low volume plumbing fixtures, wastewater re-use, dual conveyance, gray water, and others, through local regulation in order to promote a low per capita consumption of potable water.
- Policy C.1.1:* The Village shall inform residents and businesses of, and shall encourage their participation in, the local and regional water conservation programs. These information and educational programs shall include the following types of efforts:
- a. brochures and signage to be made available at Village Hall;
 - b. pursuing funding through SFWMD Community Education Grant and cooperative funding programs for educational efforts such as demonstration gardens and prototype landscaping on public properties; and,
 - c. Inviting speakers for forums or workshops at Village Hall.
- Policy C.1.2:* The Village shall maintain a leak detection and repair program for all Village facilities. It shall also encourage its citizens to adopt such a program for their own individual properties.
- Policy C.1.3:* The Village will continue to cooperate with the South Florida Water Management District (SFWMD) in its efforts to restrict the unnecessary consumption of potable water, particularly as it relates to irrigation, lawn watering, and car washing during periods of drought, supply reduction, and other emergencies.
- Policy C.1.4:* The Village shall coordinate local water conservation education efforts with the SFWMD and the Palm Beach County School Board.
- Policy C.2:* Continue to cooperate with the South Florida Water Management District in the conservation of potable water supplies during periods of drought, declared water shortages, or water shortage emergencies by supporting and participating in the District's Water Shortage Plan.
- Policy C.3:* Coordinate with the Palm Beach County Environmental Resource Department with their Wellfield Protection Program. This program includes the review, identification and location of cones of influence around the wellfields in Palm Springs, and then protect and restrict land use activities in identified areas known to adversely affect the quality and quantity of potable

water sources. The site plan review procedures in the Palm Springs' Land Development Code shall require the location of cones of influence to be depicted on site plans.

- Policy C.3.1:* At a minimum, wellfield protection will be consistent with FDEP wellhead protection Rule 62-521, FAC; however, intergovernmental coordination with FDEP, SFWMD and other pertinent agencies will be pursued.
- Policy C.4:* Promote water conservation through the enforcement of the adopted Florida Building Code which requires such items as low-volume commodes, water flow restrictions for showers and spigots and similar devices in all new construction and renovations, and will comply with the SFWMD water use restrictions and ensure that low water use plumbing fixtures are used in all new buildings or in conjunction with permitted renovations in accordance with Florida Water Conservation Act, Section 553.14, Florida Statutes, as may be amended.
- Policy C.5:* The Village shall develop a public education program which will discourage waste and conserve water.
- Policy C.6:* In coordination with SFWMD, the Village shall maintain appropriate landscape water conservation measures; establish requirements in the LDC and further encourage or require, where appropriate, but not to the exclusion of non-native plantings, the use of native and drought tolerant plants and the use of low volume irrigation.
- Policy C.7:* The Village's potable water distribution system shall be monitored and unaccounted water loss within the system should be reduced and maintained to less than ten percent (10%) of the water entering the system.
- Policy C.8:* The Village will ensure that any new regulation to protect water resources is consistent with SFWMD's environmental resource permitting and consumptive use permitting rules.
- Policy C.9:* The Village shall coordinate local water conservation education efforts with the South Florida Water Management District and other appropriate entities.
- Policy C.10:* The Village shall inform residents and businesses of, and shall encourage their participation in, the Village's, the County's and South Florida Water Management District's water conservation programs. These information and educational programs shall include the following types of efforts:
- a. Brochure and signage to be made available at the Village Hall;
 - b. pursuing funding through the South Florida Water Management District's Community Education Grant and cooperative funding programs for educational efforts such as demonstration gardens and prototype landscaping on public properties; and

c. Inviting speaker for forums or workshops at the Village Hall.

Policy C.11: The Village shall enforce alternate means and incentives to conserve water such as low flow plumbing fixture programs, irrigation meters, reuse of stormwater, surface water pumps and the identification of other alternative water supplies.

Objective D: Protect and maintain soils and native vegetative communities in Palm Springs.

Policy D.1: Continue to review development plans, as part of the site plan review process, for compatibility with and protection of the natural environmental characteristics and habitats existing within the Village. The protection of resources and habitats shall be provided for in the landscape regulation of the Palm Springs' Land Development Code.

Policy D.2: Continue to require the preservation and priority use of native vegetation within the Village by maintaining such provisions into the landscape requirements of the Palm Springs' Comprehensive Zoning Ordinance. Also, require the removal of undesirable exotic species by these regulations.

Policy D.3: Any construction, expansion or modification to the lakes and canals within the Village shall consider water and habitat enhancement features that are conducive to shoreline vegetation and to the stabilization of shores and grounds adjacent to such surface water bodies to help alleviate potential erosion and degradation of shorelines. This shall be clearly demonstrated by the developer or landowner, as part of the site plan review and land development process; and it shall be subject to approval by the Village Engineer.

Policy D.4: The Village shall work cooperatively with property owners to develop erosion control plans where areas experience erosion of shorelines or banks.

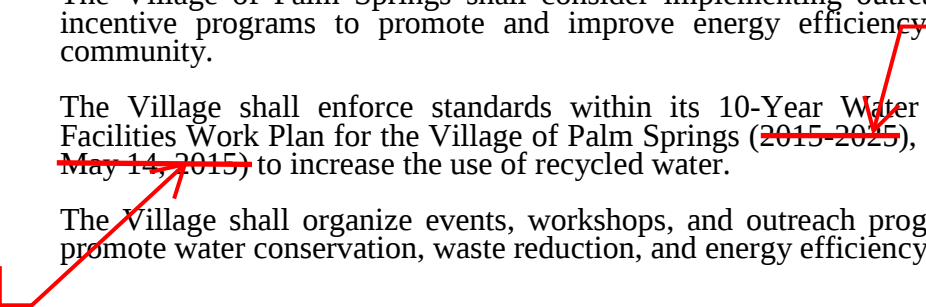
Objective E: Conserve and protect fish and wildlife habitats.

Policy E.1: Enforce the provisions and regulations contained within Chapter 91: Animals in the Palm Springs' Code of Ordinances and maintain the designation of the entire Village as a Bird and Wildlife Sanctuary.

Policy E.2: Protect and manage the lakes and canals in Palm Springs in a manner suitable for fish and wildlife propagation, by requesting the appropriate environmental agency in Palm Beach County to monitor the water quality in these water bodies.

Policy E.3: Utilize the services of the State Game and Fresh Water Fish Commission, if stocking of the lakes with fish is deemed desirable.

Objective F: Ensure that land development and land use activities be compatible with environmental characteristics of the village and give consideration to conservation of potable water supplies.

- Policy F.1:* Cooperate with developers especially in the preliminary stages of development, and monitor development activity to ensure that environmental features are not degraded or depleted, by establishing a preliminary application provision in the site plan review process, and make such provisions in the Palm Springs' Land Development Code.
- Policy F.2:* The Village shall coordinate closely with the Palm Beach County Environmental Control officer to assure that state and/or countywide environmental protection regulations are enforced, by requesting his review on projects that require such review as determined by the Village.
- Policy F.3:* Maintain, update and enforce subdivision regulations so that development is planned in accordance with natural characteristics of the land such as slope, elevation, drainage patterns and natural vegetation.
- Policy F.4:* Preserve or restore, where possible, the natural vegetation as permanent open space buffer zones. Require this as part of the landscape provisions and incorporate them into the Palm Springs' Comprehensive Zoning Ordinance.
- Policy F.5:* Conserve the lakes and canals within the Village as Class III waters and designate these surface water bodies as conservation uses on the Future Land Use Map.
- Objective G:** The Village shall continue to regulate the management of hazardous wastes and materials.
- Policy G.1:* The Village shall continue to implement the Palm Beach County programs that regulates the storage and disposal of hazardous wastes and materials.
- Objective H:* The Village of Palm Springs shall consider implementing outreach and incentive programs to promote and improve energy efficiency 2020-2030 community.
- Policy H.1:* The Village shall enforce standards within its 10-Year Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~), adopted ~~May 14, 2015~~ to increase the use of recycled water.
- Policy H.2:* The Village shall organize events, workshops, and outreach programs to promote water conservation, waste reduction, and energy efficiency.
- Date of Comp Plan adoption.
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Chapter VIII

Capital Improvements Element Goal, Objectives, and Policies

Goal "The efficient provision of needed public facilities in a timely manner which protects investments in and maximizes the use of existing facilities, and promotes orderly compact municipal growth, while protecting the health, safety and welfare of Village residents."

Objective A: Provide capital improvements that correct existing deficiencies, accommodate projected future growth and/or replace worn out or obsolete facilities as defined in the elements of the Comprehensive Development Plan, according to the schedule defined herein.

Policy A.1: The Village shall include all land and improvements projects identified in the elements of this Comprehensive Development Plan and determined to be of relatively large scale and high cost (\$25,000 or greater), as capital improvements projects for inclusion within the **Five (5) Year Schedule of Improvements**.

Policy A.2: The five (5) year schedule of needs, is hereby incorporated as the **Five (5) Year Schedule of Improvements (TABLE 1)**.

Policy A.3: The Village shall, as a matter of priority, schedule for funding any capital improvement projects in the **Five (5) Year Schedule of Improvements**, which are designed to correct existing public facility deficiencies.

Policy A.4: A Capital Improvements Coordinating Committee, composed of the Village Manager, Finance Director and operating department heads, shall continue to evaluate and rank in order of priority projects proposed for inclusion in the **Five (5) Year Schedule of Improvements**.

Policy A.5: Proposed capital improvement projects shall be evaluated and ranked in order of priority according to the following guidelines:

- (a) whether the project is needed to protect public health and safety, to fulfill the Village's legal commitment to provide facilities and services, or to preserve, achieve full use of or increase the efficiency of existing facilities; and
- (b) whether the project prevents or reduces future improvement costs, provides service to developed areas lacking full service, or promotes in-fill development.

Policy A.6: As part of its capital improvements programming, the Village shall review and establish priorities for the replacement of water supply facilities, correction of water supply and facilities

deficiencies, and the provision for future water supply and facility needs as part of its Five (5) Year Schedule of Improvements, , consistent with the Water Supply Facilities Work Plan for the Village of Palm Springs (~~2015-2025~~), adopted ~~May 14, 2015~~. These projects are highlighted on TABLE 1.

Date of Comp
Plan adoption.

Objective B: Require that future development and redevelopment bear one-hundred percent (100%) of the proportionate costs of facility improvements necessary to maintain adopted Level of Service standards.

Policy B.1: The Village shall update and maintain the Land Development Regulations to require that local streets, drainage, sewage collection and potable water distribution systems improvements of any new development or redevelopment be provided by such development.

Objective C: Annually manage Village fiscal resources in a manner to ensure the provision of needed capital improvements.

Policy C.1: The Village shall enforce the Land Development Regulations to require that, prior to the issuance of certificates of occupancy, all public facilities are available to serve development or redevelopment for which development orders were previously issued.

Policy C.2: In providing capital improvements, the Village shall limit general obligation debt service expenses to an amount that will allow the annual maintenance of a minimum twenty percent (20%) ratio of General Fund balance to Operating Budget (including debt service).

Policy C.3: The Village shall annually update the **Five (5) Year Schedule of Improvements** and associated capital budget as part of its budgeting process. The capital budget process shall be used to determine the financial feasibility of defined capital improvements. The capital budget shall be adopted annually.

Policy C.4: Appropriate efforts shall be made to secure grants or private funds, whenever available, to finance the provision of capital improvements.

Policy C.5: The Village shall request comment by the Lake Worth Drainage District and South Florida Water Management District, prior to programming any potable water or drainage-related capital improvements, and the Florida Department of Transportation, prior to programming any road system capital improvements.

Policy C.6: The Village shall maintain replacement and renewal funds for all public facilities over which it has operational control. The decision to expend replacement and renewal funds shall be made annually, as part of the local budget process, or as emergency repairs require.

Policy C.7: The Village shall make efforts to seek additional revenue sources to specifically fund water supply and facility projects, as needed, pursuant to the Water Supply Facilities Work Plan for the Village of Palm Springs (2015-2025).

Objective D: Condition decisions regarding the issuance of development orders and permits on the consistency of the development requirements included in this Plan, the Village Land Development Regulations, and the availability of necessary public facilities needed to support such development at the time needed.

Policy D.1: The Village shall use Level of Service (LOS) standards adopted in the various elements of this Comprehensive Development Plan in reviewing the impacts of new development and redevelopment upon public facility provision.

Policy D.2: The Village shall continue to enforce the Adequate Facilities Ordinance to ensure that, at the time a development permit is issued, adequate facility capacity is available, or will be available, upon occupancy of the development.

Policy D.3: Proposed Comprehensive Development Plan amendments and requests for new development or redevelopment shall be evaluated according to the following guidelines as to whether the proposed action would:

- (a) contribute to any condition of public hazard as described in the **Sanitary Sewer, Solid Waste, Drainage, Potable Water, and Natural Groundwater Aquifer Recharge Element**;
- (b) exacerbate any existing condition of public facility capacity deficits, as described in the **Transportation Element, Sanitary Sewer, Solid Waste, Drainage, Potable Water and Natural Ground Water Aquifer Recharge Element, and Recreation and Open Space Element**;
- (c) generate public facility demands that may be accommodated by capacity increases planned in the **Five (5) Year Schedule of Improvements**; and
- (d) conform with future land uses as shown on the Future Land Use Map of the **Future Land Use Element**, and public facility availability as described in the **Sanitary Sewer Solid Waste, Drainage, Potable Water and Natural Groundwater Aquifer Recharge Element**.
- (e) impact public schools and/or the timing and delivery of public school facilities to serve any residential development, pursuant to the School District's Five-Year Capital Facilities Plan.

Policy D.4: The Village shall use Level of Service (LOS) Standards adopted in the various elements of this Comprehensive Development Plan in reviewing the impacts of new development and redevelopment upon public facility provision.

Goal: The Village of Palm Springs shall provide a mechanism to be included in the Land Development Regulations, by which all service providers and the Village coordinate land development decisions and facility capacity requirements to ensure that level of service standards are maintained as new development occurs.

Objective E: Monitor available capacity for services and facilities as well as coordination between the Village and service providers to ensure available capacities of services and facilities.

Policy E.1: The **Five (5) Year Capital Improvements Schedule** shall identify and fund those projects for which the Village is the service provider and which are required to maintain the level of service standards.

Policy E.2: The Village shall require documentation from the service providers that facility capacity is available and will be reserved for approved development.

Policy E.3: The Village shall coordinate with service providers to ensure that facilities are expanded or new facilities are constructed to accommodate impact of new development.

Policy E.4: The Village shall coordinate with the School District of Palm Beach County on comprehensive plan amendments, development orders, and other land-use decisions which may be projected to impact the public schools facilities plan. The Village shall incorporate letters from the School District identifying school capacity availability into Village staff reports presented to the Village Council. The Village may incorporate conditions of approval into ordinances or resolutions to mitigate development impacts at the request of the School District, as the Village deems appropriate.

Objective F: The Village shall provide the School District with periodic information generated from the Village's development and approvals that is needed to maintain school adequacy, including information required for the School District to establish school siting criteria, joint approval of the public school capital facilities program, and school utilization.

Policy F.1: For public school facilities, the applicant for a Development Order or Development Permit which includes any residential component shall provide a school capacity availability determination (SCAD) issued by the School District of Palm Beach County that

identifies the capacity, or lack thereof, of existing facilities or planned facilities in the current School District Capital Facilities Program Plan to serve additional students. Should the proposed project negatively impact the public school system, the School District staff may recommend reasonable conditions to mitigate such impacts, and these considerations shall be included in the Village staff report for consideration by the Village Council.

Policy F.2:

The School District of Palm Beach County Five Year Capital Facilities Plan, as may be amended, is adopted as a supplement to the Village of Palm Springs “Five Year Schedule of Improvements”, Table 3, of the Capital Improvements Element. The Village shall have no obligation or responsibility for funding the School Board’s Capital Facilities Plan.

**Proposed Water Supply Capital Improvement Projects
Proposed for Inclusion in 5-Year Schedule of Capital Improvement
(Table 1 in Capital Improvements Element of Comprehensive Plan**)**

Table 4-1: VPS Anticipated Projects from FY 2019 thru FY 2024

Project Name	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Two (2) Well Replacements (No. 9 and 10)	\$350,000	\$350,000					
Well Rehabilitation	\$100,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	
Emergency Power for Production Wells		\$200,000	\$200,000				
Add Wells No. 6 and 7 to RLP WTP Power Distribution				\$506,000			
Washwater Recovery Basin						\$762,000	\$2.3M
CUP Update						\$50,000	

***Table 1 may be amended based on the proposed 5-Year Capital Improvement Plan that will be presented to the Village Council for approval during the FY 2021 Budget process (as well as future budget processes). This Table is expected to include additional projects that are related to the protection and preservation of the Village's water supply and proposed project costs may also be modified based on the Village's engineering consultant(s) professional opinion to ensure the most accurate pricing and budgeting (to ensure the highest levels of public transparency).*