





## Action Plans for PWP OSP Pillars

### 1a. Procure Utility-Scale Renewables and Storage

		2025	Waypoint	2026	2027	Waypoint	2028	2029	Res 9977
		2025	2026	2027	2028	2029	2030		
Existing Contracts for Renewables and Storage	Begin offtake from CalWind PPA (20 MW) ★ End of 2025								
	Begin offtake from Geysers geothermal PPA (25 MW) ★ End of 2027								
	Begin offtake from Coso geothermal PPA (10 MW) ★ End of 2027								
	Commence operations of Grace solar (50 MW) ★ End of 2028								
	Commence operations of Bonanza solar & storage (105 MW & 55 MW) ★ End of 2029								
New Contracts for Renewables and Storage	Procure resources through SCPPA and seek approval as needed								
	Build internal analytical capability to evaluate RFPs independently								
	Issue 2025 All-Source Request for Proposals (ASRFP)								
	Evaluate 2025 ASRFP resources								
	Negotiate & sign contracts for ASRFP resources								
	Seek City Council approval of ASRFP and other resources								
	Evaluate need for additional RFPs								
	Issue and administer additional RFPs (as needed)								
	Complete construction of new resources								
Additional Related Items	Commence operations of new resources (up to 325 MW renewables and 100 MW storage) ★								
	Maintain and update Clean Energy Tracker website as needed								
			Publish 2028 Integrated Resource Plan ★ End of 2028						

### Legend

-  PWP actions
-  Key City Council approvals
-  Key interim milestone for Resolution 9977 goals
-  Key reporting and progress update milestones

## 1b. Accelerate Development of Local Solar & Storage Resources

		2025	Waypoint 2026	2027	Waypoint 2028	2029	Res 9977 2030
Customer Solar & Storage Adoption	Continuously evaluate best use of PBC funds to support clean energy						
	Revise policy on customer solar sizing	★					
	Continuing efforts to streamline permitting process						
	Develop the low interest loan program for low-income customers			★			
	Develop incentive program for customer-owned solar and storage		★				
	Launch public outreach and education campaign						
	Further revise policy on customer solar sizing	★					
	MSC study session on lowering barriers to customer adoption		★				
	Outreach on solar process enhancements and permitting streamlining						
	Outreach on storage incentives						
	Outreach on low interest loan program						
	Continue public outreach and education campaign						
	Develop TOU rates to incentivize customer-owned storage						
	Evaluate tariffs that incentivize customer solar and storage adoption						
Seek City Council approval for future retail rate structure changes ★ End of 2028							
Large-Scale Energy Storage at City-Owned Properties	Complete construction of Glenarm BESS						
	Commence operations of Glenarm BESS facility (25 MW)			★ Q1 2027			
	Finalize site assessment for Broadway BESS						
	Conduct RFP and negotiate PPA for Broadway BESS with preferred vendor						
	Seek City Council approval for Broadway BESS PPA			★			
Solar at City-Owned Properties	Develop detailed project plans and secure permits for Broadway BESS						
	Complete site demolition and installation of Broadway BESS						
	Commence operations of Broadway BESS facility (75 MW)						★
	Explore additional opportunities for storage at city-owned properties						
	Identify municipal properties for potential solar development						
Microgrids at City, Commercial, and Institutional Sites	Select municipal sites for initial projects (up to 4)						
	Seek approval to fund initial projects in Capital Improvement Plan (CIP)			★ Q2 2026			
	Conduct RFPs for EPC contractors for initial projects						
	Complete engineering, procurement, and construction for initial projects						
	Select additional municipal sites for projects (up to 10)						
Other Opportunities	Seek approval to fund additional projects in CIP			★ Q2 2027	★ Q2 2028 (if necessary)		
	Conduct RFPs for EPC contractors for initial projects						
	Complete engineering, procurement, and construction for additional projects						
	Establish criteria for selecting municipal sites for microgrids						
	Publish Microgrid Readiness Map of municipal properties			★			
Total Annual Resource Additions	Develop microgrids at initial selected municipal properties						
	Partner with commercial and institutional sites						
	Publish Microgrid Design and Partnership Template			★ Q4 2027			
	Begin operations of first microgrid projects				★ Q4 2028		
	Evaluate performance of microgrids and publish lessons learned					★	★
Total Annual Resource Additions	Conduct public outreach on availability of microgrids for emergency services						
	Continue development of microgrids at additional sites						
	Develop proposal for Resilience Rate Class						
	Partner with Caltech to conduct power flow studies						
	Evaluate opportunity to install solar at Rose Bowl parking facilities						
Total Annual Resource Additions	Develop feed-in tariff (FIT) program targeting large institutional customers						
	Seek City Council approval for FIT program			★ Q4 2026			
	Partner with large customers and institutions to develop solar and storage under FIT program						
	Negotiate PPAs for local resource development with third parties (as needed)						
	Participate in 710 Stub redevelopment efforts						
Total Annual Resource Additions	Customer-owned solar	+3 MW	+4 MW	+8 MW	+10 MW	+10 MW	+15 MW
	Solar on municipally-owned properties				+4 MW	+4 MW	+12 MW
	Customer-owned storage	Up to 1 MW	Up to 1 MW	Up to 1 MW	+2 MW	+2 MW	+3 MW
	Storage at municipally-owned properties						+75 MW

### Legend

■ PWP actions

★ Key City Council approvals

★ Key interim milestone for Resolution 9977 goals

★ Key reporting and progress update milestones

## 2. Develop Innovative Programs and Rates to Leverage Customer-Facing Solutions

		Waypoint		Waypoint		Res 9977	
		2025	2026	2027	2028	2029	2030
Energy Efficiency (EE)	Deploy EE to meet goals adopted in 2021						
	Update energy efficiency potential study						
	Continue to deploy EE according to goals						
	<b>Publish Annual Energy Efficiency Program Reports</b> ★	Q4 2025	★	Q4 2026	★	Q4 2027	★
	reach on efficiency and electrification incentives and low income assistance						
Enabling Steps to Unlock Flexibility	Continued outreach and education on EE programs						
	Implement Advanced Metering Infrastructure (AMI)						
	Engage community on potential time-of-use (TOU) rate structures						
	Develop TOU rate structures to incentivize flexibility						
	<b>Seek City Council approval to implement TOU rates</b> ★					Q4 2028	
Load Flexibility and Demand Response in Buildings	Engage large customers on demand response						
	Enroll additional customers in Voluntary Load Curtailment Program (VLCP)						
	Call upon VLCP participants as needed						
	<b>Evaluate lessons learned from VLCP</b> ★						
	Develop community-wide voluntary load reduction						
	Begin data collection and analysis of customer usage patterns from initial AMI installations						
	Evaluate load management program models best suited for Pasadena						
	Identify vendors, enrollment strategies, and define program rules						
	Pilot potential load management programs with small customer groups						
	Deploy load management programs across all customer classes						
Transportation Electrification	<b>Publish Annual Demand Response Program reports</b> ★					Q4 2028	★
	Continue deploying fleet and public EV Infrastructure						
	Enhance existing EV and charger rebate programs						
	Outreach and education to landlords and employers						
	Develop TOU rate structures to incentivize passive managed charging						
	Research program designs for active managed charging programs						
	Develop and pilot active managed charging programs						
	Conduct outreach and marketing for active managed EV charging programs						
	Deploy active managed charging programs						
	Develop rate structures to support integration of EV charging						
	<b>Seek City Council approval for EV charging rates</b> ★						

### Legend

■ PWP actions

★ Key City Council approvals

★ Key interim milestone for Resolution 9977 goals

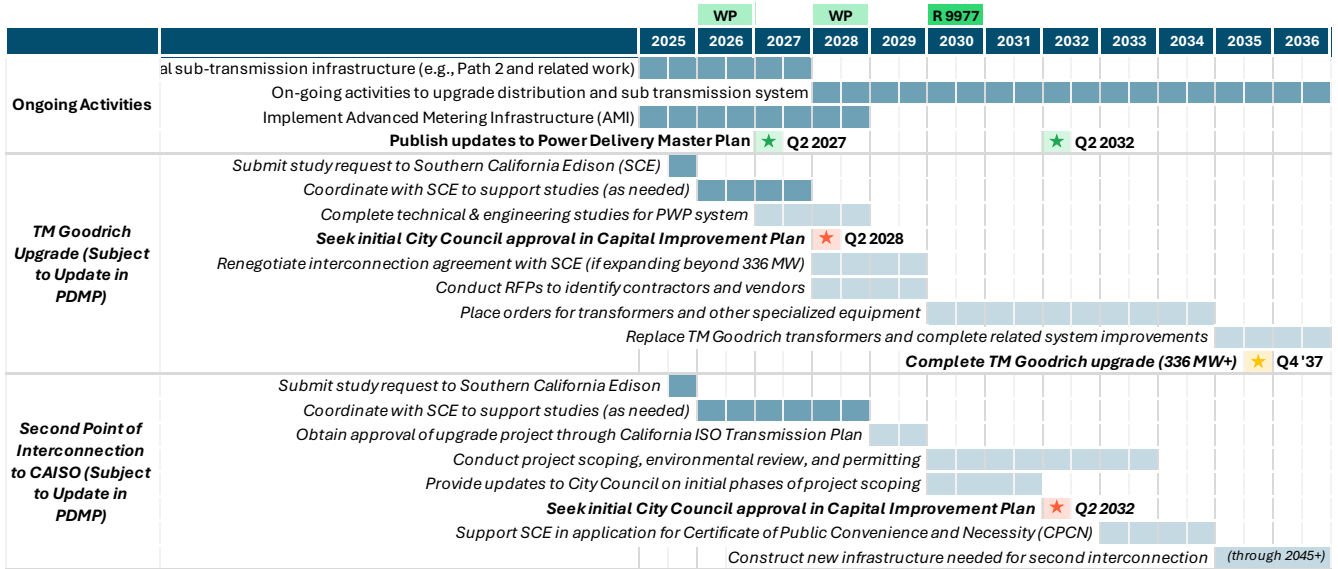
★ Key reporting and progress update milestones

3. Glenarm as Backup

		Waypoint			Waypoint			Res 9977	
		2025	2026	2027	2028	2029	2030		
Complementary OSP Actions to Reduce Operations of Glenarm	Meet energy efficiency goals								
	Accelerate development local solar and storage resources								
	Upgrade internal distribution infrastructure								
	Develop and implement TOU pricing								
	Deploy demand response in buildings								
	Implement managed electric vehicle charging programs								
Other Glenarm- Related Actions	Provide annual reporting on Glenarm operations	★ Q1 2027			★ Q1 2028		★ Q1 2029		★ Q1 2030
	Reevaluate options for long-term Glenarm transition								
	Assess renewable natural gas supply options								

- Legend
- PWP actions
  - ★ Key City Council approvals
  - ★ Key interim milestone for Resolution 9977 goals
  - ★ Key reporting and progress update milestones

#### 4. Upgrade Power Delivery Infrastructure (note different time scale)



##### Legend

- PWP actions
- PWP actions (to be updated in 2027 PDMP)
- ★ Key City Council approvals
- ★ Key interim milestone for Resolution 9977 goals
- ★ Key reporting and progress update milestones

Action Plan Item (Organized by OSP Pillars)		Applicable OSP Pillars					Timeline
0	General reporting and progress updates						
	Provide quarterly progress updates to Municipal Services Committee	1	2	3	4	5	2025-2030
	Maintain Clean Energy Tracker website	1	2	3	4		2025-2030
	Publish 2028 Integrated Resource Plan	1	2	3		5	2028
1	Rapidly scale proven technologies (utility-scale renewables & storage)						
	Integrate new contracted resources into portfolio (210 MW renewables & 55 MW storage)	1					2025-2029
	Continue to procure resources through SCPPA and seek approval (as needed)	1					2025-2030
	Conduct all-source RFP for new utility-scale renewables and storage	1					2025-2027
	Reassess cost impacts to continue procurement above 100% annual matching	1					2026-2028
	Evaluate need to issue additional RFPs for renewables and storage	1					2028
	Issue and administer additional RFPs (as needed)	1					2029-2030
	Integrate additional contracted resources into portfolio (up to 325 MW renewables and 100 MW storage)	1					2029-2030
1	Rapidly scale proven technologies (local solar & storage)						
	Revise policy on customer solar sizing	1		3			2025
	Reevaluate best use of Public Benefit Charge funds	1	2	3			2025-2030
	Launch public outreach and education campaign	1		3			2025-2026
	Identify municipal sites for solar development	1		3			2025-2026
	Conduct studies to identify potential microgrid sites	1		3			2025-2026
	Develop Glenarm BESS project (25 MW, online 2027)	1		3			2025-2027
	Bring proposal to further revise policy on customer solar upsizing to City Council	1		3			2026
	MSC study session on lowering barriers to customer adoption	1		3			2026
	Develop feed-in tariff (FIT) program for solar & storage targeting large institutional customers	1		3			2026
	Streamline permitting and interconnection processes	1		3			2026
	Develop the low interest loan program for low-income customers	1		3			2026
	Develop incentive program for customer-owned solar and storage	1		3			2026
	Develop municipal solar installations at initial high priority sites	1		3			2026-2028
	Explore other opportunities for solar and storage development (e.g. Rose Bowl, 710 Stub)	1		3		5	2026-2030
	Develop Broadway BESS project (75 MW, online 2030)	1		3		5	2026-2030
	Develop microgrids at initial selected municipal properties	1		3			2027-2028
	Partner with commercial and institutional sites for microgrid development	1		3			2027-2028
	Continue public outreach and education campaign	1		3			2027-2030
	Develop municipal solar installations at additional sites	1		3			2027-2030
	Partner with large customers and institutions to develop solar and storage under FIT program	1		3			2027-2030
	Evaluate tariffs that incentivize customer solar and storage adoption	1		3			2028
	Continue development of microgrids at additional sites	1		3			2029-2030
2	Develop Innovative Programs and Rates to Leverage Customer-Facing Solutions						
	Continue to deploy energy efficiency resources to meet energy efficiency goals		2	3			2025-2030
	Enroll large customers in Voluntary Load Curtailment Program (VLCP)		2	3			2026
	Evaluate building load management program models best suited for Pasadena		2	3			2026-2027
	Evaluate program design for active managed charging of electric vehicles		2	3			2026-2027
	Pilot building load management programs with small customer groups		2	3			2027-2028
	Develop and pilot active managed charging programs		2	3			2027-2028
	Develop TOU rates to incentivize load management, flexibility, and energy storage	1	2	3			2028
	Deploy building load management programs across all customer classes		2	3			2028-2030
	Deploy and scale active managed charging programs		2	3			2029-2030
3	Additional Actions Related to Mitigating Glenarm Operations						
	Provide annual reporting on Glenarm operations			3			2026-2030
	Reevaluate options for long-term Glenarm transition			3			2028
	Assess renewable natural gas supply options			3			2028-2030
4	Upgrade Power Delivery Infrastructure						
	Upgrade internal distribution infrastructure			3	4		2025-2027
	Implement Advanced Metering Infrastructure (AMI) throughout the City			3	4		2025-2028
	Publish 2027 Power Delivery Master Plan			3	4		2027
	Increase import capability at TM Goodrich Receiving Station			3	4		2025-2035
	Develop second point of interconnection with CAISO			3	4		2025-2040
5	Leverage Emerging Technologies						
	Monitor emerging technology status			3		5	2025-2027
	Coordinate with neighboring utilities to planning for hydrogen conversions			3		5	2025-2030

#### Notes

Items are categorized according to the most directly relevant area, but secondary linkages to other pillars are shown in "Applicable OSP Pillars"  
 Additional detail on schedule and milestones for action items are provided in detailed action plan schedules