



Monthly Stakeholder Update Utilities Master Plan

February 28, 2023

Utilities Master Plan Stakeholder Meeting

February 28, 2023 Update



PREVIOUS ACTION ITEMS

- 1 Status
- 2 Current Tasks
- 3 Upcoming Tasks
- 4 Schedule
- 5 Action Items

- Workshop No.1 summarized and posted
- Project schedule updates
- Website content updated - dynamic site
- Workshops to be scheduled
- Stakeholder Zoom Meeting - Feb 28th at 10 AM
- Ongoing field investigation and data collection
- Schedule Phase 2: Planning and CAC meetings

STATUS

Phase 1: Assess existing utility systems to meet current levels of services

- Engage utilities to capture and compile existing data
- Field investigate critical features and attributes
- Evaluate risk for current operations
- Identify operational/maintenance/capital options
- Existing conditions report for review

1 Status

2 Current Tasks

3 Upcoming Tasks

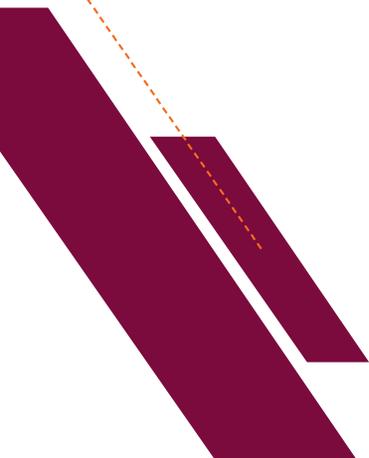
4 Schedule

5 Action Items

PROJECT SCHEDULE



UMP Project Schedule	Q1 '23			Q2 '23			Q3 '23			Q4 '23			Q1 '24			Q2 '24			Q3 '24		
Phase 1: Kickoff and Data Gathering	[1]	[2]	[2]																		
Phase 2: Existing Conditions Assessment							[3]														
Phase 3: Analysis & Future State Projections				[4]					[5]	[5]	[5]										
Phase 4: Utility Master Planning Process										[6]	[6]	[7]	[8]								[9]

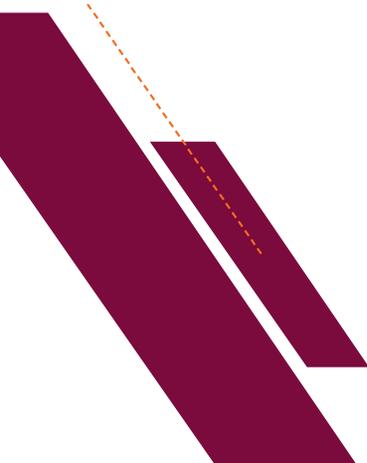


PROGRESS DASHBOARD



Phase 1: Kickoff and Data Gathering

UMP Progress Dashboard	Kick Off	System/Ops Data		Field Investigation		Condition Assesment		Capacity Assesment		Existing Conditions Report	
Thermal Generation	100%	49%	19	17%	6	0%	43	0%	1	0%	1
Steam and Condensate Return	100%	33%	3	0%	6	0%	185	0%	1	0%	1
Chilled Water Distribution	100%	33%	3	0%	6	0%	293	0%	1	0%	1
Domestic Hot Water	100%	100%	1	0%	1	0%	7.4	0%	1	0%	1
Electrical Distribution	100%	30%	10	20%	25	33%	825	0%	1	0%	1
Telecom OSP	100%	50%	2	0%	20	0%	197	0%	1	0%	1
Potable and Fire Protection	100%	25%	4	4%	24	0%	45	0%	1	0%	1
Sanitary Sewer	100%	0%	3	4%	24	0%	160	0%	1	0%	1
Stormwater	100%	33%	3	4%	24	0%	642	0%	1	0%	1



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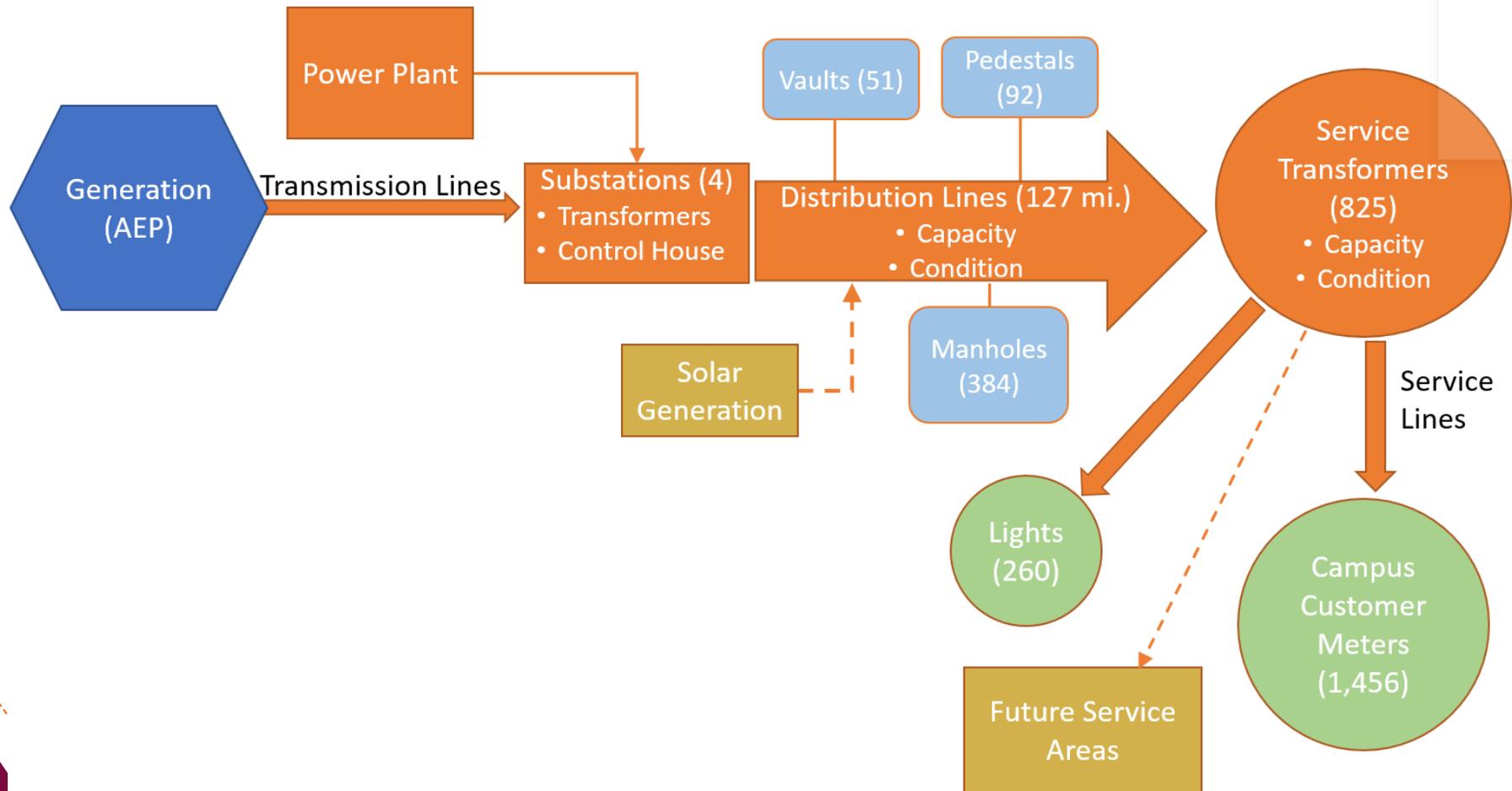
FIELD INVESTIGATION SCHEDULE

March 2023

	M	T	W	T	F
Week 1					
Week 2					
Week 3					
Week 4					
Week 5					

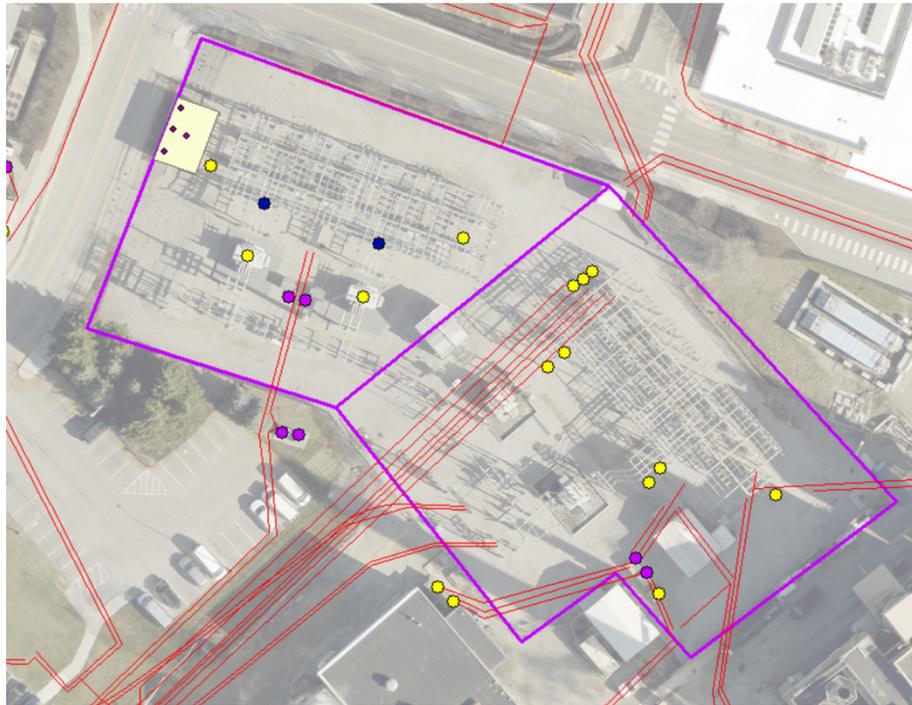
Utility Color Key

- Thermal Generation
- Thermal Distribution
- Civil
- Telecom OSP
- Electrical Distribution



GIS: VTES Substation

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UTILITY MASTER PLAN AT VTES NEXT 2-3 WEEKS

- Team worked at the Power Plant last week
- Comprehensive asset inventory
- Cataloging equipment nameplates and attributes
- Capacity and Condition assessments
- Join Monthly Stakeholder Update Via Zoom next Tuesday, 10 AM



CHECK OUT PROGRESS ON WEBSITE:

<https://www.facilities.vt.edu/planning-documents/utilities-master-plan.html>

UPCOMING TASKS

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ACTION ITEMS

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- Next monthly stakeholder meeting: March 28, 2023 at 10 AM