Presentations for the
April 13, 2020
City Council Meeting
CITY RESPONSE TO CORONAVIRUS: Keeping Palo Alto Safe and Informed
CORONAVIRUS PUBLIC SAFETY RESPONSE

- Emergency Operations Center is activated
- Redeployed city employees to work remotely, where possible
- Continuing to maintain essential services and ensure the safety of our workforce
- City leadership continues to evolve plans and protocols based on various Coronavirus impact scenarios and County Shelter in Place Order restrictions
- Tracking City’s fiscal situation in light of this extended emergency period
FEDERAL AND STATE LEGISLATIVE ACTIVITY

• Steve Palmer, Vice President
  Van Scoyoc Associates
  Washington, D.C., Lobbyist

• Niccolo De Luca, Senior Director of Northern California
  Townsend Public Affairs
  Sacramento Lobbyist
WORKFORCE MANAGEMENT STRATEGIES

• Redeploying some staff to State of Emergency priorities

• Realigning workforce duties to reflect remote work and remote services with flexible expectations in recognition of childcare and other individual needs

• Rotating week on/week off essential staff assignments and deferring maintenance to address social distancing and minimize potential exposure

• Preparing to accelerate community recovery

• Catching up on administrative work (training, performance goals, policy clean-up)

• City Manager & Director approvals required for Administrative Leave going forward
WORKFORCE NEAR-TERM PRIORITIES

Sampling of Departmental Focus Areas:

- **ADMINISTRATIVE SERVICES** Revenue Collections staff continue to process payments and refunds where needed. Accounting staff are completing the interim CAFR Audit and researching and setting up FEMA-required recordkeeping and expenses tracking.

- **COMMUNITY SERVICES** Parks staff supplementing rangers; Recreation creating virtual programming and preparing programs for recovery; Arts & Sciences staff sewing masks.

- **FIRE** Inspectors with suspended construction projects are turning to preparation for the wildland fire season, visiting (with proper social distancing) hillside property owners to reinforce vegetation management.
Sampling of Departmental Focus Areas:

• INFORMATION TECHNOLOGY staff supporting systems and remote workers, as well as supporting on-site staff using PPE and social distancing protocols.

• LIBRARY staff supporting Community Support Call Center and preparing to handle incoming emails as well as additional communications support; preparing for recovery.

• PLANNING & DEVELOPMENT SERVICES staff continue handling applications and implementing online plan submittal, as well as assigned to EOC duties.

• PUBLIC WORKS & UTILITIES staff primarily affected by essential work/shift management strategies.
WORKFORCE STATUS

Overall Allocations (varies weekly):
50% Assigned to work from home
45% Designated essential to report on-site
5% Leave (Administrative, Sick, or other)

Administrative Leave Usage (based on 1st pay period after shelter-in-place order):
31% Community Services
13% Library
30% Public Works
20% Utilities
6% Other

About 50% of Admin Leave hours are directed by management to support social distancing
FY 2021 BUDGET PROCESS

• April 20 – City Manager’s Proposed Budget Transmittal
  • Budget Overview
  • Preview Fiscal Considerations, including Labor Negotiations

• April/May – Finance Committee reviews Water, Wastewater, Stormwater, Electric and Gas Utility Rates

• May – City Council Budget Hearings & Deliberations

• June 23 – City Council Budget Adoption

• July 1 – Fiscal Year 2021 begins
BUSINESS SUPPORT AND ASSISTANCE

• Call center and online business assistance center for information and referral
• City advertising through local newspapers and online to support local businesses
• Increased police presence in commercial districts and at Stanford Mall
• Suspended parking enforcement and business district/registry fees
• Suspended utility shutoffs and extended payment plans
• Easing online application process for building permits
• Countywide commercial eviction protections
• Rent deferral for Cubberley tenants
 Concurrent Efforts:
• Small Business Financial Support
• Build Recovery Strategy

Small Business Financial Support
• Establishing Matched Loan Model and Beginning Fundraising
• Set Allocation Criteria with feedback from Business Roundtable

Build Recovery Strategy
• Facilitate Business Roundtable Input
• Organize and Prioritize City and Community Actions
• Quickly Pilot Implementation
EMERGENCY OPERATIONS

Operations
D/C Kevin McNally

Law Branch
Cpt. Binder/ Cpt. Wagner

Animal Svcs Unit
Cody Macartney

Fire Branch
Brian Baggett

EMS Branch
EMS Chief Roderick

Utilities Branch
Dean Batchelor

PW Branch
Jon Hospitalier

Logistics
Nathan Rainey
Deputy LSC
Charlie Cullen

IT Branch (DOC)
Darren Numoto

Facilities
Mike Wong

Procurement Unit
Terry Loo

ESV Coordinator
Andrea Edelman

Resource Unit
Mark Chase

Planning/Intel
Michelle Flaherty
Deputy PSC
Rachael Tanner

Legislative Affairs
Heather Lobel

Recovery Branch
Jonathan Lait

SITREP
Simon Williams

Situation Status (SITREP)
Situation Status (SITREP)

Documentation

Scribe

Finance and Admin
David Ramberg
Deputy FSC
Kiley Nose

Alternate FSC
Steve Guagliardo

Cost Recovery Unit
Ricelyn Fernando

Timekeeping Unit
Maria Lagman

HR Section
Rumi Portillo
Deputy HRSC
Sandra Blanche

Assistant to HRSC
Frank Lee

Comp Claims Unit
Nick Raisch
STAY INFORMED

Gain Coronavirus Updates at:
CityofPaloAlto.org/Coronavirus

Sign Up for Updates at:
CityofPaloAlto.org/newsletterssignup

Call us: (650)272-3181
Community Support Call Center is available Monday – Friday, 8:30 a.m.-6p.m.
Slow the spread of this virus
Stay Home: this will save lives.

Stay connected: check on neighbors, volunteer

Be Kind: We are in this together

www.cityofpaloalto.org/coronavirus
NEXT STEPS

• Continue to maintain essential city services and our public safety response
• Continue to convene Local Community Based Organizations
• Continue business support efforts
• Continue to develop our recovery strategy
• Continue with staff redeployments and other workforce strategies
• Return with budget modifications in May and June
Emergency Operations Center Activation*

April 20—Proposed Budget Transmittal to Council
Finance Committee to review Waste Water, Stormwater rates
Business Financial Support Development
Recovery Strategy Development

City Council FY 2021 Budget Adoption
Business Financial Support Plan Council Consideration
Recovery Strategy Council Consideration and Implementation

APRIL

Finance Committee to review Water, Electric and Gas rates
City Council FY 2021 Budget Hearings & Deliberations
Roundtables / Business Support Development

MAY

JUNE

JULY/BEYOND

FY 2021 Budget Implementation
Recovery Strategy Implementation

To be determined, based on public health emergency*
2020 Earth Day Report
April 13, 2020
Sustainability and Climate Action Plan Goal: 80% by 2030

- **Energy**: Christine Tam, Evon Ballash
- **Mobility**: Sylvia Star-Lack
- **Electric Vehicles**: Shiva Swaminathan, Hiromi Kelty, Mike Nafziger
- **Water**: Karla Dailey, Karin North
- **Climate Adaptation and Sea Level Rise**: Julie Weiss, Christine Luong
- **Natural Environment**: Walter Passmore, Pam Boyle Rodriguez
- **Zero Waste**: Paula Borges, Maybo AuYeung, Wendy Hediger
GHG Emissions Down ~36% in Palo Alto (56.5% with offsets)
2019 Progress Snapshot: Energy

- Adopted new all-electric building requirements
- Initiated Multifamily Building Gas Furnace Retrofit Pilot
- Launched induction cooktop loaner program with Acterra
- Eliminated gas incineration of sewage sludge
2019 Progress Snapshot: Energy

0.61% % Electric Efficiency Savings (FY19)

853 CA homes’ total power use in a year

0.44% % Gas Efficiency Savings (FY19)

148 Passenger vehicles taken off the road for a year

6,008 Therms of avoided natural gas use from building electrification programs
2019 Progress Snapshot: Mobility

- Established the Office of Transportation
- Participated in and advocated for regional transit programs
- Increased active transportation mode share for school commutes
- Adopted a Housing Work Plan Implementation Ordinance
2019 Progress Snapshot: Mobility

15% Reduction in SOV trips to downtown Palo Alto (since 2015)

3% Increase in rideshares in downtown (since 2015)

21% Increase in transit ridership in downtown (since 2015)

60 Increase in Commute Benefits Participation by City Employees (2018 – 2019)
2019 Progress Snapshot: Electric Vehicles

- Drafted three-year EV workplan to increase EV adoption
- Awarded $1 million CALeVIP grant
- Added new electric vehicles to City fleet
- North America’s first full-sized all-electric automated waste collection truck
- Completed a Customer Survey on EV adoption barriers
- Co-sponsored workshops and ride-and-drive events
<table>
<thead>
<tr>
<th>Statistic</th>
<th>Percentage or Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV sales in Palo Alto (2017)</td>
<td>29%</td>
</tr>
<tr>
<td>Estimated # of EVs in Palo Alto (end of 2019)</td>
<td>4,500</td>
</tr>
<tr>
<td>EV penetration in Palo Alto (2019)</td>
<td>7%</td>
</tr>
<tr>
<td>GHG emissions avoided (MT CO2e)</td>
<td>10,800</td>
</tr>
</tbody>
</table>
2019 Progress Snapshot: Water

• Historic partnership with Valley Water, includes a local advanced treatment facility for recycled water

• Completed a Green Stormwater Infrastructure Plan

• Identified water reuse alternatives
2019 Progress Snapshot: Water

- **Per Capita Potable Water Use (2019):** 137
- **% Recycled Water Use Capacity (2019):** 17%
- **Per Capita Potable Water Use (2018):** 142
- **% Recycled Water Use Capacity (2018):** 18%
2019 Progress Snapshot: Sea Level Rise

• Council Adopted a Sea Level Rise Adaptation Policy
• Staff released an RFP for a Sea Level Rise Vulnerability Assessment and Sea Level Rise Adaptation Plan
• Completed Horizontal Levee Pilot Project Preliminary Design
• Regional Water Quality Control Plant Primary Outfall Project
• Palo Alto Flood Basin Tide Gate Repairs
2019 Progress Snapshot: Natural Environment

- City of Palo Alto Utilities Tree Line USA award
- Urban Forest Plan Second Edition
- 36,000 public trees provided nearly $18 million in benefits
- Initiative to plant trees in South Palo Alto
2019 Progress Snapshot: Zero Waste

- City’s diversion rate currently at 82%
- Council approved a Disposable Foodware Ordinance
- Transition to Reusable Foodware
- Council approved a Deconstruction & Construction Materials Management Ordinance
- Expanded the Household Hazardous Waste Reuse Zone
Next Steps

2020 Sustainability and Climate Action Plan (S/CAP) Update
Questions?
## 2019 Progress Snapshot: Energy

### KPI: Building Energy Efficiency Savings

<table>
<thead>
<tr>
<th></th>
<th>FY17</th>
<th>FY18</th>
<th>FY19</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Electric Efficiency Savings</td>
<td>0.65%</td>
<td>0.63%</td>
<td>0.61%</td>
</tr>
<tr>
<td>% Gas Efficiency Savings</td>
<td>0.81%</td>
<td>0.97%</td>
<td>0.44%</td>
</tr>
</tbody>
</table>

### KPI: Avoided Natural Gas Use Due to Electrification Programs

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rebated Heat Pump Water Heater Units</td>
<td>10</td>
<td>26</td>
<td>8</td>
</tr>
<tr>
<td>Cumulative Savings (therms)</td>
<td>1,453</td>
<td>4,916</td>
<td>6,008</td>
</tr>
</tbody>
</table>
# 2019 Progress Snapshot: Mobility

## KPI: SOV Commute Mode Share (Downtown Palo Alto)

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drive Alone</td>
<td>57%</td>
<td>56%</td>
<td>53%</td>
<td>49%</td>
<td>42%</td>
</tr>
<tr>
<td>Transit</td>
<td>18%</td>
<td>18%</td>
<td>20%</td>
<td>27%</td>
<td>39%</td>
</tr>
<tr>
<td>Rideshare</td>
<td>5%</td>
<td>6%</td>
<td>8%</td>
<td>9%</td>
<td>8%</td>
</tr>
</tbody>
</table>

## KPI: Transit Ridership (Caltrain)

<table>
<thead>
<tr>
<th></th>
<th>FY2016</th>
<th>FY2017</th>
<th>FY2018</th>
<th>FY2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Weekday Ridership</td>
<td>9,052</td>
<td>9,072</td>
<td>9,457</td>
<td>9,018</td>
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</table>

## KPI: Commute Benefits

<table>
<thead>
<tr>
<th></th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>City Employee Participation</td>
<td>269</td>
<td>288</td>
<td>275</td>
<td>335</td>
</tr>
</tbody>
</table>
### 2019 Progress Snapshot: Electric Vehicles

#### KPI: EV Penetration (Palo Alto)

<table>
<thead>
<tr>
<th>Year</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV Penetration</td>
<td>1,200</td>
<td>2,000</td>
<td>3,100</td>
<td>4,000</td>
<td>4,500</td>
</tr>
</tbody>
</table>

#### KPI: GHG Emissions Avoided through EVs

<table>
<thead>
<tr>
<th>Year</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT CO2e</td>
<td>2,800</td>
<td>4,800</td>
<td>7,440</td>
<td>9,600</td>
<td>10,800</td>
</tr>
</tbody>
</table>
Review the 2020 Sustainability and Climate Action Plan (S/CAP) Update Process and the 2020-2021 Sustainability Work Plan

Background:
• 2020 Council Priority: Sustainability, in the context of climate change
• Staff developed a 2020 – 2021 Sustainability Work Plan
• Work Plan highlights major action items from the potential 2020 S/CAP Program areas
"COVID-19 is the most urgent threat facing humanity today, but we cannot forget that climate change is the biggest threat facing humanity over the long term. Soon, economies will restart. This is a chance for nations to recover better, to include the most vulnerable in those plans, and a chance to shape the 21st century economy in ways that are clean, green, healthy, just, safe and more resilient."

— Patricia Espinosa, Executive Secretary of the United Nations Framework Convention on Climate Change
GHG Emissions Down ~36% in Palo Alto (56.5% with offsets)
GHG Emissions Down ~36% in Palo Alto (56.5% with offsets)

Palo Alto Municipal Operations and Community GHG Emissions

- Road Travel into, from, and within City
- Palo Alto Landfill Fugitive Emissions
- Wastewater Process Emissions
- Natural Gas Use
- Natural Gas Use (Palo Alto Green Gas Offsets)
- Landfilled Unrecovered Recyclables
- Lifecycle Emissions From Annual Total Waste Placed in Landfills
- Natural Gas Distribution Leakage
- Net Brown Power Emissions (Weather adjusted)

80 x 30 Target
## 2020 S/CAP Update Proposed Process

<table>
<thead>
<tr>
<th>2020</th>
<th>2021</th>
</tr>
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<tbody>
<tr>
<td>Q1</td>
<td>Q2</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td><strong>Consultant and Staff Work</strong></td>
<td><strong>Community Engagement</strong></td>
</tr>
<tr>
<td>Impact Analysis of Goals and Key Actions</td>
<td>2020 S/CAP Update Summit</td>
</tr>
<tr>
<td>Draft Goals and Key Actions with Community input</td>
<td>On-going On-Line Community Engagement</td>
</tr>
<tr>
<td>Finalize 2020 S/CAP</td>
<td>Final CEQA Report</td>
</tr>
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**2019 Greenhouse Gas Inventory**

**Impact Analysis of Goals and Key Actions**

**Draft 2020 S/CAP**

**Finalize 2020 S/CAP**

**Final CEQA Report**

**Adopted 2020 S/CAP Update**

**Draft Goals and Key Actions with Community input**

**2020 S/CAP Update Area-Specific Community Engagement**
### Number of Registered Participants

<table>
<thead>
<tr>
<th>Count</th>
<th>Part</th>
</tr>
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<tbody>
<tr>
<td>147</td>
<td>Part 1: Overview</td>
</tr>
<tr>
<td>68</td>
<td>Part 2: Energy</td>
</tr>
<tr>
<td>52</td>
<td>Part 3: Mobility</td>
</tr>
<tr>
<td>57</td>
<td>Part 4: Electric Vehicles</td>
</tr>
<tr>
<td>41</td>
<td>Part 5: Water</td>
</tr>
<tr>
<td>49</td>
<td>Part 6: Climate Adaptation and Sea Level Rise</td>
</tr>
<tr>
<td>43</td>
<td>Part 7: Natural Environment</td>
</tr>
<tr>
<td>48</td>
<td>Part 8: Zero Waste</td>
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2020 S/CAP Update Proposed Process

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<th>2020</th>
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<th>Council Meetings</th>
<th>2020</th>
<th>2021</th>
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<tbody>
<tr>
<td></td>
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<td>Q2</td>
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cityofpaloalto.org/sustainabilityplan
2020 S/CAP Update Summary of AECOM Tasks

1. Create Citywide GHG Emissions Inventories for 2019, 2020, 2021

2. Calculate Transportation-related Emissions
   a. Develop a Vehicle Miles Traveled (VMT) methodology
   b. Develop CEQA thresholds using new VMT methodology

3. Business as Usual Forecast


5. Community Engagement

6. Prepare Appropriate Environmental Documents
Sustainability and Climate Action Plan Goal: 80% by 2030

Energy:
- Christine Tam
- Evon Ballash

Mobility:
- Sylvia Star-Lack

Electric Vehicles:
- Shiva Swaminathan
- Hiromi Kelty
- Mike Nafziger

Water:
- Karla Dailey
- Karin North

Climate Adaptation and Sea Level Rise:
- Julie Weiss
- Christine Luong

Natural Environment:
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- Pam Boyle Rodriguez

Zero Waste:
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- Maybo AuYeung
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# 2020 – 2021 Sustainability Work Plan

## Staff and Consultant Work

<table>
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<tbody>
<tr>
<td><strong>Impact Analysis of Goals and Key Actions</strong></td>
<td><strong>2020 GHG Inventory</strong></td>
</tr>
<tr>
<td><strong>Draft 2020 S/CAP</strong></td>
<td><strong>Implement 2020 S/CAP Update</strong></td>
</tr>
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### Energy

- Develop 2020-21 Building Electrification Work Plan with program funding and staffing. Request this work plan targets existing buildings.
- Finalize Phase II of All-Electric Energy Reach Code for New Non-Residential Construction and ADUs, pending availability of cost-effectiveness study.
- Implement Phase III to define substantial remodels that qualify for new construction and reach code.
- Implement Phase II of All-Electric Energy Reach Code for commercial, ADUs, and high-rise residential new construction projects.

### Mobility

- Continue to fund the Palo Alto TMA (Transportation Management Association) for Phase 3 of the Charleston-Arastadero Corridor Project. Begin preparation of environmental documents for the preferred rail grade separation alternative, adopt TDM Ordinance per Comp Plan Policy.
- Continue to fund the Palo Alto TMA; make transit investments that significantly enhance coverage, service quality, frequency, speed, and/or access; expand and improve bicycle and pedestrian facilities; connectivity, convenience, and/or safety.

### Electric Vehicles

- Facilitate the installation of EV charging infrastructure for residents, businesses, and EVs, with greater focus on EVSE installations for low-income households; increase EV adoption and outreach to all customer segments, including information on external grant funding opportunities; adopt a new parking ordinance which supports EV charging infrastructure installations at multi-family and mixed-use properties and commercial parking lots, develop plan to electrify city fleet.
- Continue to explore ways to expand and diversify Palo Alto’s EV charging network; continue community education and outreach to facilitate mass EV adoption; implement City Fleet electrification plan and continue expanding public EV chargers with grant and city funds.

### Water

- Explore potential ordinances and programs to expand onsite water reuse systems, design a salt removal facility for the Palo Alto Wastewater Treatment Plant, implement the Green Stormwater Infrastructure (GSI) Plan and identify the next several new projects.
- Complete the GCS Water Plan, construct the salt removal facility for the Palo Alto Wastewater Treatment Plant, begin design and construction of new GSI projects.

### Sea Level Rise

- Conduct SLR Vulnerability Assessment
- Develop Draft SLR Adaptation Plan
- Finalize SLR Adaptation Plan
- Implement SLR Adaptation Plan

### Natural Environment

- Implement the 2015 Urban Forest Master Plan, explore programs and policies to provide local carbon storage and other environmental benefits through the Urban Forest, consider revisions to Title 8 of Palo Alto Municipal Code, establish an ongoing community forum to comment on urban forestry and ecosystem issues.
- Ensure Net Tree Canopy Loss, develop methodology to allow for both solar panels and trees, reduce the toxicity and the total amount of pesticides used in the city.

### Zero Waste

- **Begin to enforce Phase 1 of the Disposable Foodware Ordinance**
- **Begin to enforce Phase 1 of the Deconstruction Ordinance (July 1)**
- **Finalize Phase 2 of the Disposable Foodware Ordinance**
- **Evaluate Deconstruction Ordinance data and develop potential Phase 3 ordinance**

## Community Engagement

- **2020 S/CAP Workshop**
- **2020 S/CAP Implementation Resources and Updates**
- **2020 S/CAP Update Summit**
- **Earth Day Festival and Great Race**
- **On-going On Line Community Engagement**
- **2020 S/CAP Update Area-Specific Community Engagement**

## Council Meetings

- **Council Info Report on 2020 S/CAP Update**
- **Council Mtgs: Sustainability Workplan (Mar), SIP Update (Apr)**
- **Council Study Session on 2020 S/CAP Update**
- **Council Mtgs: Adopt 2020 S/CAP, Adopt SLR Plan**

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cityofpaloaltono.org/sustainabilityplan
2020 Priority Projects Examples

- Utilities Electrification Work Plan
- TDM (Transportation Demand Management) Ordinance
- Electric Vehicle charging infrastructure
- Green Stormwater Infrastructure Plan
- Sea Level Rise Adaptation Plan
- Potential local carbon storage programs and policies
- Disposable Foodware Ordinance and Deconstruction Ordinance
- Multiple opportunities for community input on 2020 S/CAP
Recommended Motion:

Accept the 2020-2021 Sustainability Work Plan