Oakland County Planners Gathering Meeting

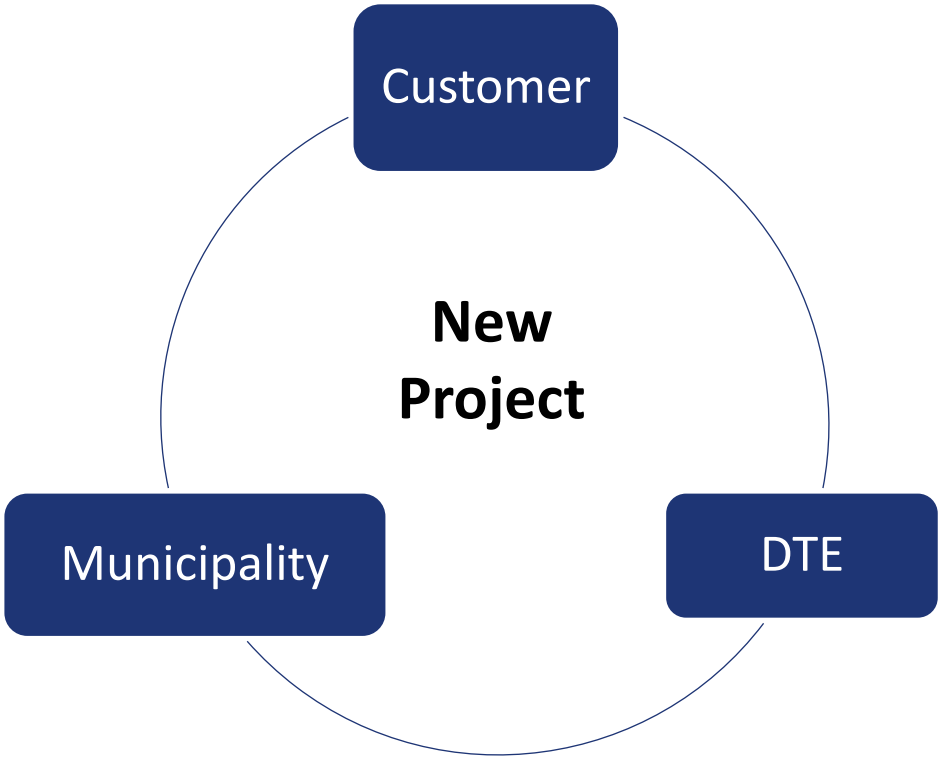
DTE Planning and Permitting Process

April 30, 2024

Executive Summary

- Planning new and upgraded utility service is a collaboration among the requesting customer, the permitting municipality and the utility
- Many inefficiencies can be mitigated with clear communication and collaboration among DTE, communities, and our mutual customers
- DTE proposes a new framework to planning and permitting processes that focuses on collaboration to mitigate inefficiencies and meet customer requests
- Customer guidelines are provided to avoid delays when connecting customers
  - Examples that demonstrate affects of (lack of) collaboration
- DTE is looking to more collaborative partnerships with municipal planning and engineering leaders, as it implements a multi-year plan to improve reliability and increase load capacity

Planning new and upgraded utility service is a collaboration among the requesting customer, the permitting municipality and the utility

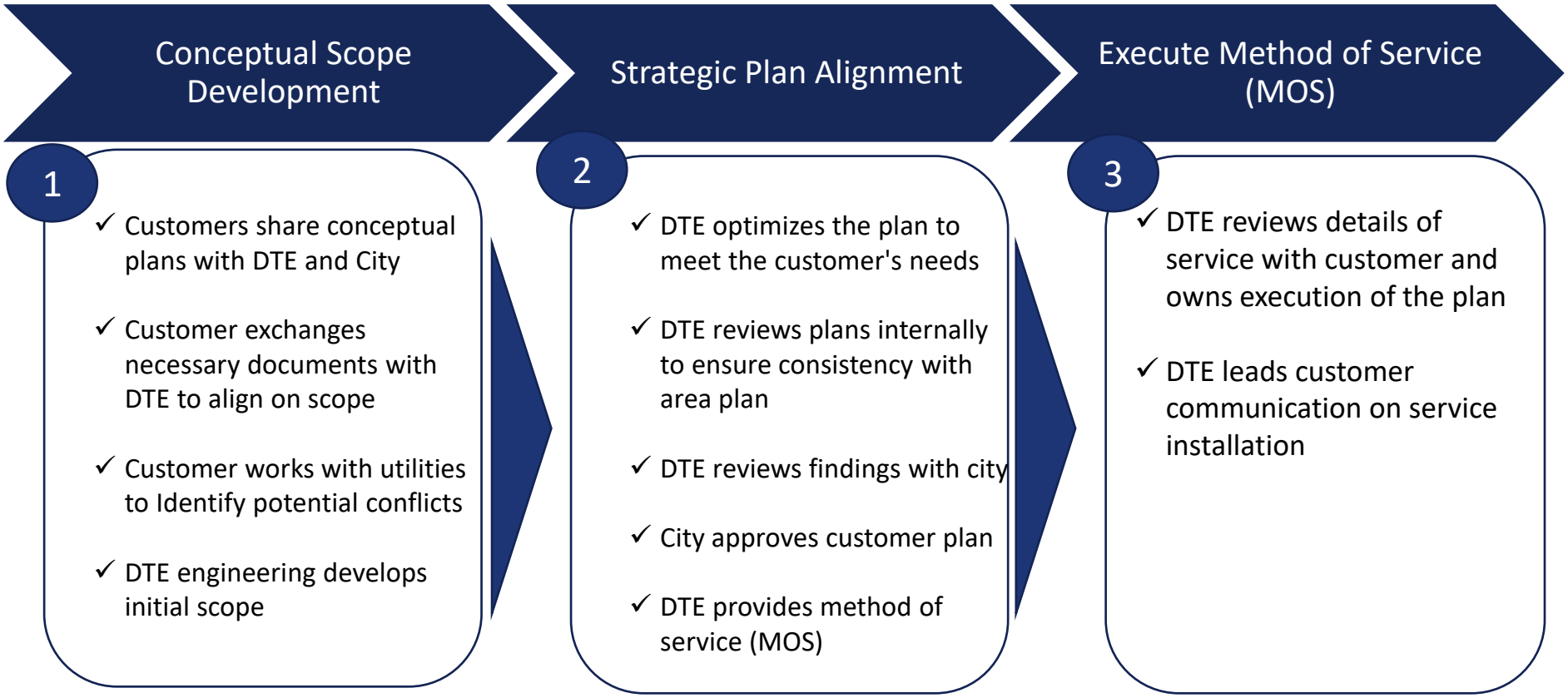


Many inefficiencies can be mitigated with clear communication and collaboration among DTE, communities, and our mutual customers

Contacting DTE early in the process will allow discussions around standards and guidelines preventing potentially costly delays

- Identify potential safety hazards/OSHA violations
- Coordinate with municipalities to include DTE equipment on developer checklist
- Where DTE will install lines and where it won't
- Where there is existing equipment and how they impact site plans
- DTE considerations for utility easements
- Expectations regarding energization without delays
- Municipal requirements and timelines for permitting

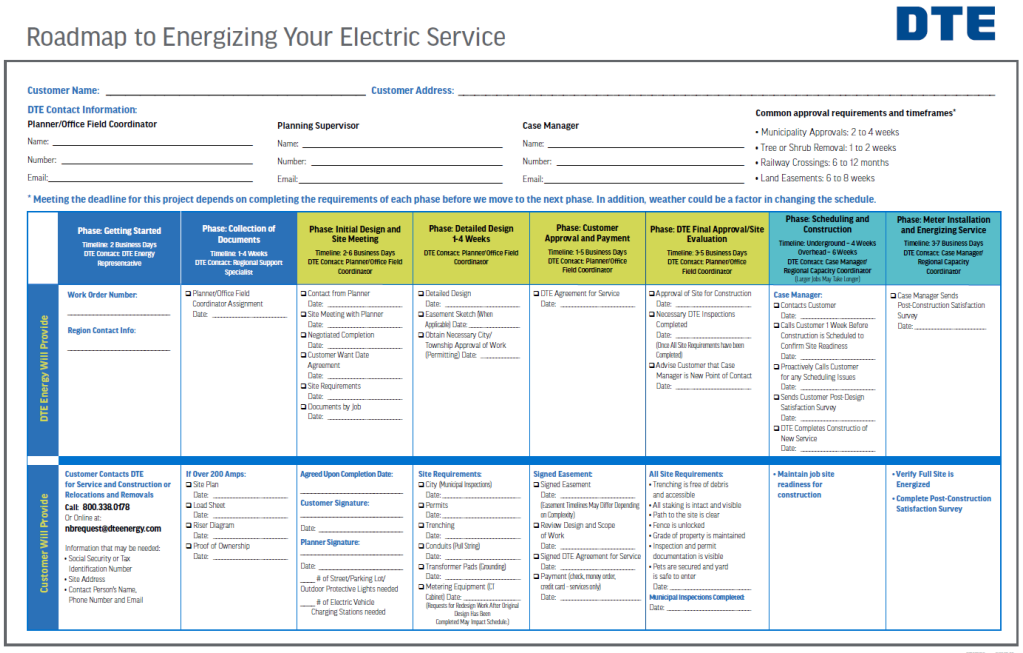
DTE proposes a new framework to planning and permitting processes that focuses on collaboration to mitigate inefficiencies and meet customer requests



- Customer benefits from early engagement with DTE regarding site plans before submission to any other approving bodies to avoid delays
- Customers benefit from consistent communication, including information on delays in construction, costly relocations, and handoffs throughout the process
- Customer understands lot splits, utility easements/right of ways

Customer guidelines are provided to avoid delays when connecting customers

- Understand load and demand
- DTE requires a utility easement
- 270 degrees deflection on any underground cable
- OSHA requires 10’ horizontal working clearance from utility lines
- Equipment must be on private property
- Obtain clear requirements for city permits



Roadmap to Energizing Your Electric Service

DTE

Customer Name: _____ **Customer Address:** _____

DTE Contact Information:

Planner/Office Field Coordinator
Name: _____
Number: _____
Email: _____

Planning Supervisor
Name: _____
Number: _____
Email: _____

Case Manager
Name: _____
Number: _____
Email: _____

Common approval requirements and timeframes*
- Municipality Approvals: 2 to 4 weeks
- Tree or Shrub Removal: 1 to 2 weeks
- Railway Crossings: 6 to 12 months
- Land Easements: 6 to 8 weeks

* Meeting the deadline for this project depends on completing the requirements of each phase before we move to the next phase. In addition, weather could be a factor in changing the schedule.

	Phase: Getting Started Timeline: 2 Business Days DTE Contact: DTE Energy Representative	Phase: Collection of Documents Timeline: 1-4 Weeks DTE Contact: Regional Support Specialist	Phase: Initial Design and Site Meeting Timeline: 2-6 Business Days DTE Contact: Planner/Office Field Coordinator	Phase: Detailed Design 1-4 Weeks DTE Contact: Planner/Office Field Coordinator	Phase: Customer Approval and Payment Timeline: 1-5 Business Days DTE Contact: Planner/Office Field Coordinator	Phase: DTE Final Approval/Site Evaluation Timeline: 3-5 Business Days DTE Contact: Planner/Office Field Coordinator	Phase: Scheduling and Construction Timeline: Underground - 4 Weeks Overhead - 6 Weeks DTE Contact: Case Manager/ Regional Capacity Coordinator (Larger Jobs May Take Longer)	Phase: Meter Installation and Energizing Service Timeline: 3-7 Business Days DTE Contact: Case Manager/ Regional Capacity Coordinator
DTE Energy Will Provide	**Work Order Number:** _____ **Region Contact Info:** _____	❑ Planner/Office Field Coordinator Assignment Date: _____	❑ Contact from Planner Date: _____ ❑ Site Meeting with Planner Date: _____ ❑ Negotiated Completion Date: _____ ❑ Customer Want Date Agreement Date: _____ ❑ Site Requirements Date: _____ ❑ Documents by Job Date: _____	❑ Detailed Design Date: _____ ❑ Easement Sketch (When Applicable) Date: _____ ❑ Obtain Necessary City/ Township Approval of Work (Permitting) Date: _____	❑ DTE Agreement for Service Date: _____	❑ Approval of Site for Construction Date: _____ ❑ Necessary DTE Inspections Completed Date: _____ (Once All Site Requirements have been Completed) ❑ Advise Customer that Case Manager is New Point of Contact Date: _____	**Case Manager:** ❑ Contacts Customer Date: _____ ❑ Calls Customer 1 Week Before Construction is Scheduled to Confirm Site Readiness Date: _____ ❑ Proactively Calls Customer for any Scheduling Issues Date: _____ ❑ Sends Customer Post-Design Satisfaction Survey Date: _____ ❑ DTE Completes Constructio of New Service Date: _____	❑ Case Manager Sends Post-Construction Satisfaction Survey Date: _____
Customer Will Provide	**Customer Contacts DTE for Service and Construction or Relocations and Removals** **Call: 800.338.0978** Or Online at: **nbrequest@dteenergy.com** Information that may be needed: • Social Security or Tax Identification Number • Site Address • Contact Person's Name, Phone Number and Email	**If Over 200 Amps:** ❑ Site Plan Date: _____ ❑ Load Sheet Date: _____ ❑ Riser Diagram Date: _____ ❑ Proof of Ownership Date: _____	**Agreed Upon Completion Date:** _____ **Customer Signature:** _____ Date: _____ **Planner Signature:** _____ Date: _____ ____ # of Street/Parking Lot/ Outdoor Protective Lights needed ____ # of Electric Vehicle Charging Stations needed	**Site Requirements:** ❑ City (Municipal Inspections) Date: _____ ❑ Permits Date: _____ ❑ Trenching Date: _____ ❑ Conduits (Full String) Date: _____ ❑ Transformer Pads (Grounding) Date: _____ ❑ Metering Equipment (CT Cabinet) Date: _____ (Requests for Redesign Work After Original Design Has Been Completed May Impact Schedule.)	**Signed Easement** ❑ Signed Easement Date: _____ (Easement Timelines May Differ Depending on Complexity) ❑ Review Design and Scope of Work Date: _____ ❑ Signed DTE Agreement for Service Date: _____ ❑ Payment (check, money order, credit card - services only) Date: _____	**All Site Requirements:** • Trenching is free of debris and accessible • All staking is intact and visible • Path to the site is clear • Fence is unlocked • Grade of property is maintained • Inspection and permit documentation is visible • Pets are secured and yard is safe to enter Date: _____ **Municipal Inspecions Completed** Date: _____	• **Maintain job site readiness for construction**	• **Verify Full Site is Energized** • **Complete Post-Construction Satisfaction Survey**

DTE

Example 1: New construction in dense, urban area

Situation

Public Safety In order to make the building safe for construction, much taller poles needed to be installed and all primary wire was installed on armless construction, which was separate from original service installation request.

Permanent Service Location The city approved lot line to lot line construction. Unfortunately, this left no room for the padmount transformer to be installed on private property, making the installation of service to the customer difficult and inefficient.

Customer Expectations

The customer expected that the padmount transformer would be installed in the city's ROW, and that DTE would put their service line under the alley.

City Expectations

The city expected that DTE would provide overhead (OH) service to the customer. This is not industry standard, nor MPSC preferred construction. It was also not a viable solution because the customer's load was greater than what the OH equipment is rated to provide

DTE Challenges

There were no OH options that would comply with industry standards nor MPSC preferred construction.

Communication regarding the type of service that could be provided was disjointed among DTE, the City and the Customer.

Example 2: New construction, pre municipal approval

Situation

Developer reaches out to DTE: Developer describes upcoming project and inquires about a Will Serve letter

Communication is established, allowing the DTE planner to do a high level review of the property. The planner provides information to the developer about existing power lines and provides state safety guidelines on clearances to incorporate in developer's design

Developer provides designs to the city to obtain site plan approval

Once approval received, developer contacts DTE to have a work order created and a project timeline created

Customer Experience

Developer has all the electric requirements and safety guidelines needed to design their project.

City Experience

City can be assured that any electric connection issues are mitigated since developer already contacted DTE

DTE Experience

Re-designs are mitigated since developer communicated early on before design finalized

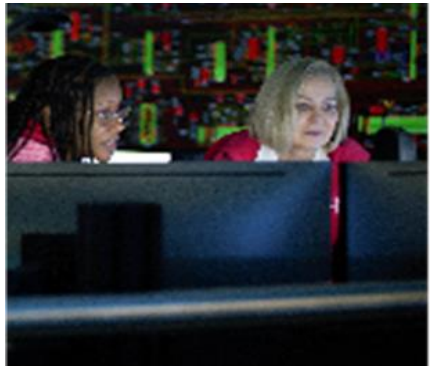
The customer, city and DTE benefit from a more efficient process and costly delays

Collaborative partnerships with municipal planning and engineering leaders is imperative as DTE implements a multi-year plan to improve reliability and increase load capacity

- DTE is laser focused on building the grid of the future, one that is smarter, stronger, and more resilient
- We plan to invest more than $9 billion over the next five years to make our grid safer and more reliable for our customers
- DTE is committed to reducing power outages by 30% and cutting outage durations in half by 2029
- We are focused on four key areas to reach this goal

Building the Grid of the Future means focusing on four key areas

1 Modernizing the Grid



- Accelerate the use of smart grid technology
- Install equipment that can remotely isolate damage and restore customers leading to fewer customers experiencing outages and decreased outage duration time
- DTE plans to install 10,000 smart grid reclosers system-wide by the end of 2028

2 Rebuilding Significant Portions of the Grid

- Substation upgrades and new substations to support increased demand
- Convert old systems to 13.2kV on the distribution system

3 Updating Existing Infrastructure

- Harden system to reduce outages and increase storm resiliency
- Replace aging and at-risk infrastructure including poles and cross arms

4 Trimming Trees

- Half the time our customers spend without power is due to trees coming into contact with our equipment
- All DTE circuits will be on the five-year tree trim cycle by the end of 2025

Appendix

Roadmap to Energizing Your Electric Service

Customer Name: _____ **Customer Address:** _____

DTE Contact Information:

Planner/Office Field Coordinator
Name: _____
Number: _____
Email: _____

Planning Supervisor
Name: _____
Number: _____
Email: _____

Case Manager
Name: _____
Number: _____
Email: _____

Common approval requirements and timeframes*
- Municipality Approvals: 2 to 4 weeks
- Tree or Shrub Removal: 1 to 2 weeks
- Railway Crossings: 6 to 12 months
- Land Easements: 6 to 8 weeks

*** Meeting the deadline for this project depends on completing the requirements of each phase before we move to the next phase. In addition, weather could be a factor in changing the schedule.**

	Phase: Getting Started Timeline: 2 Business Days DTE Contact: DTE Energy Representative	Phase: Collection of Documents Timeline: 1-4 Weeks DTE Contact: Regional Support Specialist	Phase: Initial Design and Site Meeting Timeline: 2-6 Business Days DTE Contact: Planner/Office Field Coordinator	Phase: Detailed Design 1-4 Weeks DTE Contact: Planner/Office Field Coordinator	Phase: Customer Approval and Payment Timeline: 1-5 Business Days DTE Contact: Planner/Office Field Coordinator	Phase: DTE Final Approval/Site Evaluation Timeline: 3-5 Business Days DTE Contact: Planner/Office Field Coordinator	Phase: Scheduling and Construction Timeline: Underground – 4 Weeks Overhead – 6 Weeks DTE Contact: Case Manager/ Regional Capacity Coordinator (Larger Jobs May Take Longer)	Phase: Meter Installation and Energizing Service Timeline: 3-7 Business Days DTE Contact: Case Manager/ Regional Capacity Coordinator
DTE Energy Will Provide	**Work Order Number:** _____ **Region Contact Info:** _____	❑ Planner/Office Field Coordinator Assignment Date: _____	❑ Contact from Planner Date: _____ ❑ Site Meeting with Planner Date: _____ ❑ Negotiated Completion Date: _____ ❑ Customer Want Date Agreement Date: _____ ❑ Site Requirements Date: _____ ❑ Documents by Job Date: _____	❑ Detailed Design Date: _____ ❑ Easement Sketch (When Applicable) Date: _____ ❑ Obtain Necessary City/ Township Approval of Work (Permitting) Date: _____	❑ DTE Agreement for Service Date: _____	❑ Approval of Site for Construction Date: _____ ❑ Necessary DTE Inspections Completed Date: _____ (Once All Site Requirements have been Completed) ❑ Advise Customer that Case Manager is New Point of Contact Date: _____	**Case Manager:** ❑ Contacts Customer Date: _____ ❑ Calls Customer 1 Week Before Construction is Scheduled to Confirm Site Readiness Date: _____ ❑ Proactively Calls Customer for any Scheduling Issues Date: _____ ❑ Sends Customer Post-Design Satisfaction Survey Date: _____ ❑ DTE Completes Constructio of New Service Date: _____	❑ Case Manager Sends Post-Construction Satisfaction Survey Date: _____
Customer Will Provide	**Customer Contacts DTE for Service and Construction or Relocations and Removals** **Call: 800.338.0178** Or Online at: **nbrequest@dteenergy.com** Information that may be needed: • Social Security or Tax Identification Number • Site Address • Contact Person's Name, Phone Number and Email	**If Over 200 Amps:** ❑ Site Plan Date: _____ ❑ Load Sheet Date: _____ ❑ Riser Diagram Date: _____ ❑ Proof of Ownership Date: _____	**Agreed Upon Completion Date:** _____ **Customer Signature:** _____ Date: _____ **Planner Signature:** _____ Date: _____ ____ # of Street/Parking Lot/ Outdoor Protective Lights needed ____ # of Electric Vehicle Charging Stations needed	**Site Requirements:** ❑ City (Municipal Inspections) Date: _____ ❑ Permits Date: _____ ❑ Trenching Date: _____ ❑ Conduits (Pull String) Date: _____ ❑ Transformer Pads (Grounding) Date: _____ ❑ Metering Equipment (CT Cabinet) Date: _____ (Requests for Redesign Work After Original Design Has Been Completed May Impact Schedule.)	**Signed Easement:** ❑ Signed Easement Date: _____ (Easement Timelines May Differ Depending on Complexity) ❑ Review Design and Scope of Work Date: _____ ❑ Signed DTE Agreement for Service Date: _____ ❑ Payment (check, money order, credit card – services only) Date: _____	**All Site Requirements:** • Trenching is free of debris and accessible • All staking is intact and visible • Path to the site is clear • Fence is unlocked • Grade of property is maintained • Inspection and permit documentation is visible • Pets are secured and yard is safe to enter Date: _____ **Municipal Inspections Completed:** Date: _____	• **Maintain job site readiness for construction**	• **Verify Full Site is Energized** • **Complete Post-Construction Satisfaction Survey**

OSHA Clearances