



JUNE 8-11

# 2020 SUMMIT

*A Virtual Leadership Symposium*

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U.S. DEPARTMENT OF  
**ENERGY**



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# Best of the Betters: 2020 Better Project and Better Practice Presentations

Wednesday, June 10  
11:00 am-12:30 pm ET



**Kate Peterson**  
General Motors

Submit Questions  
[www.slido.com](http://www.slido.com) event code **#bbsummit**  
then go to room “**Best of the Betters**”

# Finding Energy Treasure with General Motors Project Roadmap

GM Sustainable Workplaces

Kate Peterson, Energy/Carbon Optimization Engineer



**Sustainable**  
Workplaces

*"Creating places you want to be"*





# GM Sustainability Goals

- Reduce 2010 carbon emissions by 31% by 2030
  - Achievable with energy efficiency projects and RE-100
- Energy efficiency projects identified by third parties, plant, & Energy Treasure Hunts (ETH)
- GM's history of hundreds of ETH and efficiency projects provided **large database** of conservation measures



GM Energy Treasure Hunt findings presented to leadership









## Previous project tracking methods did not encourage collaboration

- Pursued projects tracked as a part of the plant's energy performance measures
- Suggested projects remained in ETH files
- Completed projects were not compiled for other plants
- Project information generally delivered "through the grapevine"



## Need for a tool that improves communication between plants

-  **Track** past and current plant projects
-  **“Live”** capability to show current plant project information
-  **Share** past and current plant project info across all plants
-  Include **granular** details – cost to implement & savings
-  **Easy** to use (Excel and Power BI)
-  **Showcase** project information in visuals







# Project Roadmap serves as a project tracking tool

- Projects are tracked from ideas, to projects under implementation, to completed projects

1. Opportunities/suggestions
2. Developed, cost, implementation, and energy savings updated
3. Installed, real time cost and energy information

Update Date	Plant	ECE	Plant & Project Info	Est Usage Savings	Est Cost Savings	Budget Source	Act Usage Savings	Act Cost Savings	% Act Vs Est	Target %	Cost Est Vs Act %	Cost Target %	Usage Reduction Target	Cost Reduction Target
1/13/2020	Plant Name	ECE Name												
Sector	Plant Sector													
	Region	Country												
	GMNA	USA												
	Plant & Project Info													
	Project Number	Project Type												
		Sufficiency Plan Project												
		Treasury Fund												
		Plant Assessment												
		3rd Party Assessment												
		Shutdown Assessment												
		SP Project Completed												

Project info is detailed

- Allows for project duplication, benchmarking
- Improves future estimations



# Project Roadmap continuous improvement

- Plant collaboration and project tracking improved
- Use feedback to improve Roadmap process
- Expand globally to all GM manufacturing sites
- Collaboration with industry partners



ECO Team at GM's Bupyeong facility

