

Loveland Solar Review



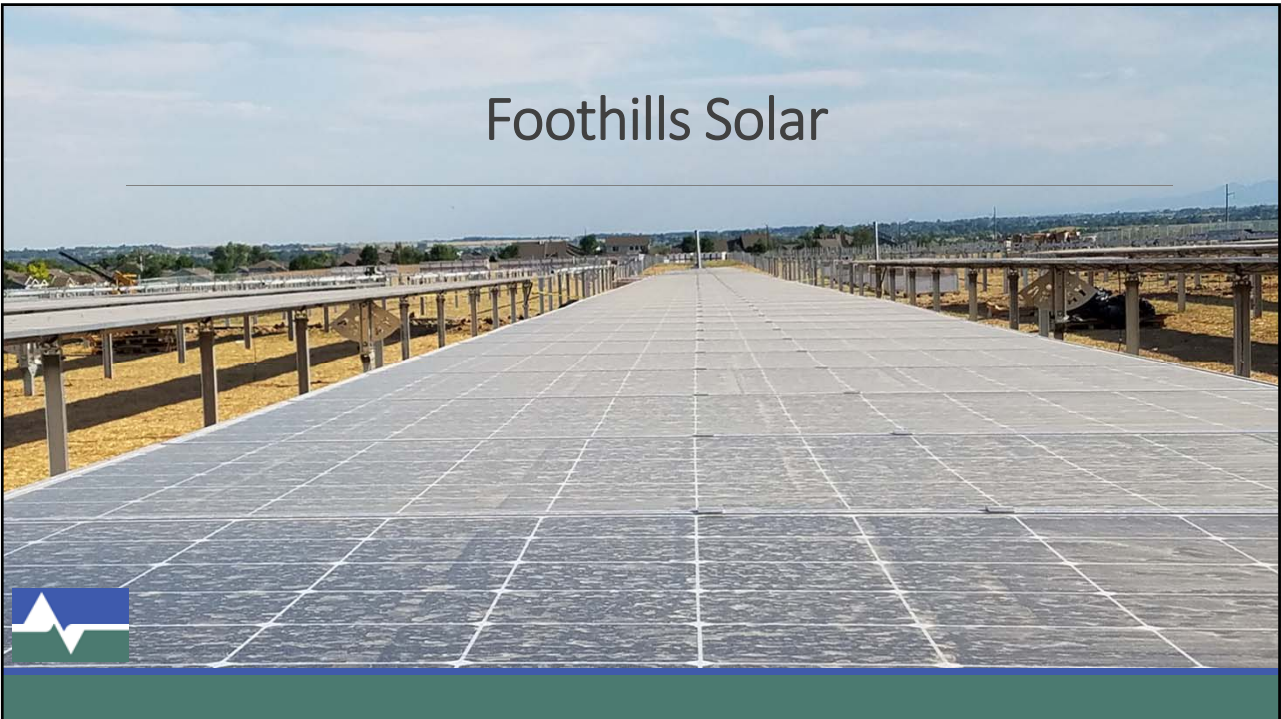
OCTOBER 27, 2016

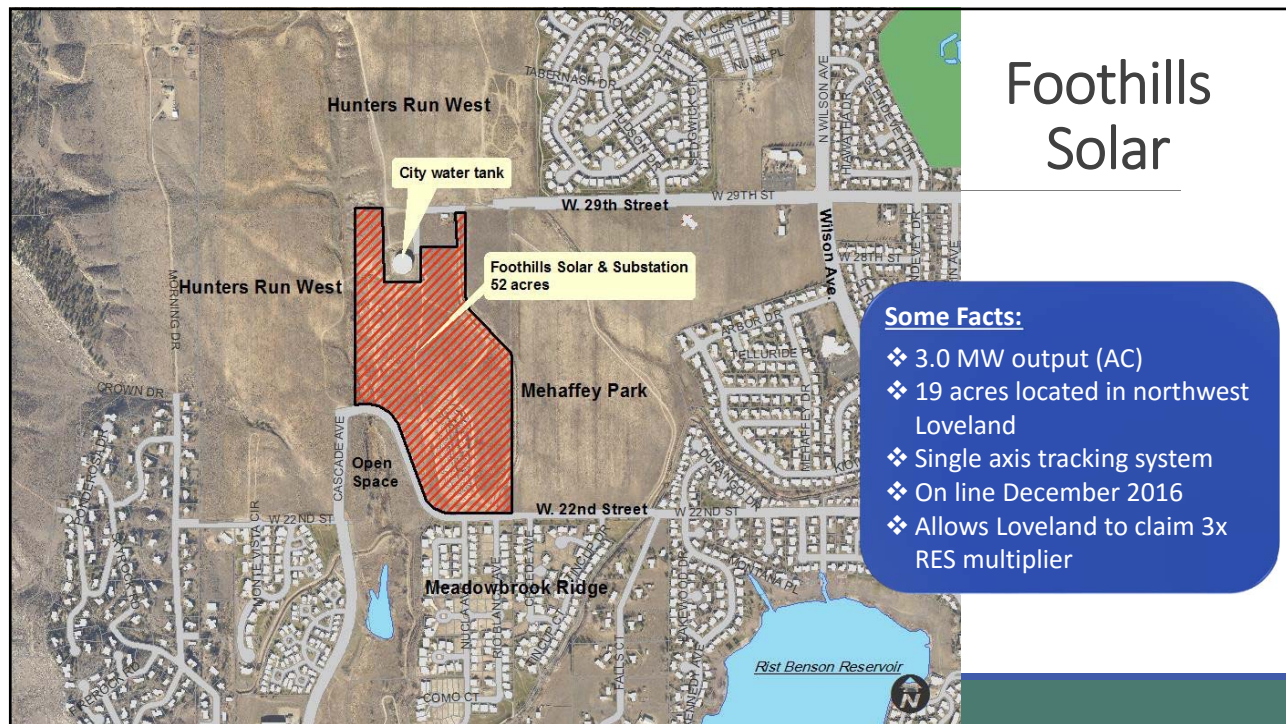
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LOVELAND UTILITIES COMMISSION & FORT COLLINS ENERGY BOARD

SPECIAL JOINT MEETING

Foothills Solar



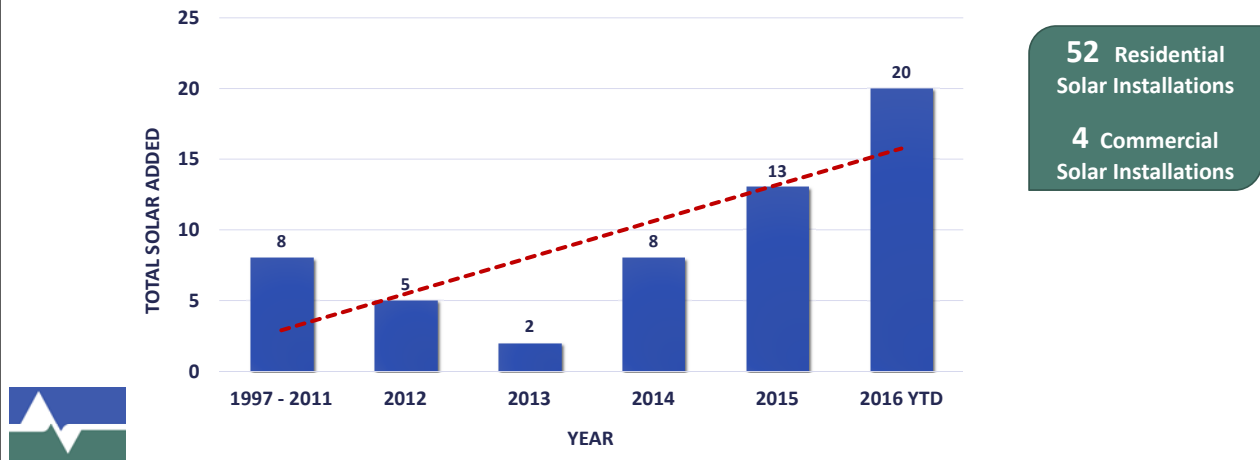


Foothills Solar Time-lapse Video



[Video Link](#)

Distributed Generation



Rate Design – Residential Self-Generating Customers

- **New rate design for residential self-generation customers**
 - ✓ All energy consumed and energy generated back onto grid will be billed and credited at retail rate monthly
 - ✓ \$1.45 per kW of capacity of solar unit will be added to Monthly Base Charge to step halfway to addressing subsidy
 - ✓ Another \$1.44 per kW of capacity will be added to Monthly Base Charge in 2018 to address other half of subsidy
 - ✓ Easier administratively for Utility Billing
- **This rate design supported by LUC and City Council**

Community Solar Opportunity

- **Exploring Community Solar Opportunities:** Loveland, Longmont, Estes Park, Fort Collins, PRPA
- **Benefits of Community Solar:**
 - ✓ Enables competition with rooftop solar using the economies of scale advantage inherent to utilities
 - ✓ No roof required, accessible to renters
 - ✓ Removes maintenance burden from customers
 - ✓ Can be structured to reduce up-front costs/barriers-to-entry for customers (similar to rooftop lease)
 - ✓ Can be structured to remove long-term commitment (a feature unique to community solar)
 - ✓ Easier to control for system level needs



Loveland's Renewable Energy Standard (RES) Forecast

% Total Renewable for Policy	2017	2018	2019	2020	2021	2022	2023	2024
Loveland's RES Requirement (based on current requirement)	0%	0%	0%	0%	1%	1%	1%	1%
Loveland's RES % without multiplier	11.0%	10.8%	10.7%	10.5%	10.4%	10.3%	10.1%	10.0%
Loveland's RES % with 3x multiplier	12.8%	12.6%	12.5%	12.3%	12.1%	12.0%	11.8%	11.7%



Questions

