



Dodge Flat Solar



Washoe County Commission
March 27, 2018





Vicinity Map

- NW of Wadsworth
- Off Olinghouse Rd, via State Route 447
- 4 parcels
- ±1,616-acres
- General Rural





Overview of Request

- **Dodge Flat: 200 MW solar energy center**
 - ±1,200-ac. to be developed
 - Photovoltaic solar fields
 - Substation; switchyard; ancillary facilities
 - Connect to existing 345 kV transmission line
 - Planning Commission approved Feb. 6, 2018
- **BCC asked to sponsor amendment to Regional Plan (Utility Corridors map)**
 - Show facility w/substation and new hi-voltage connection



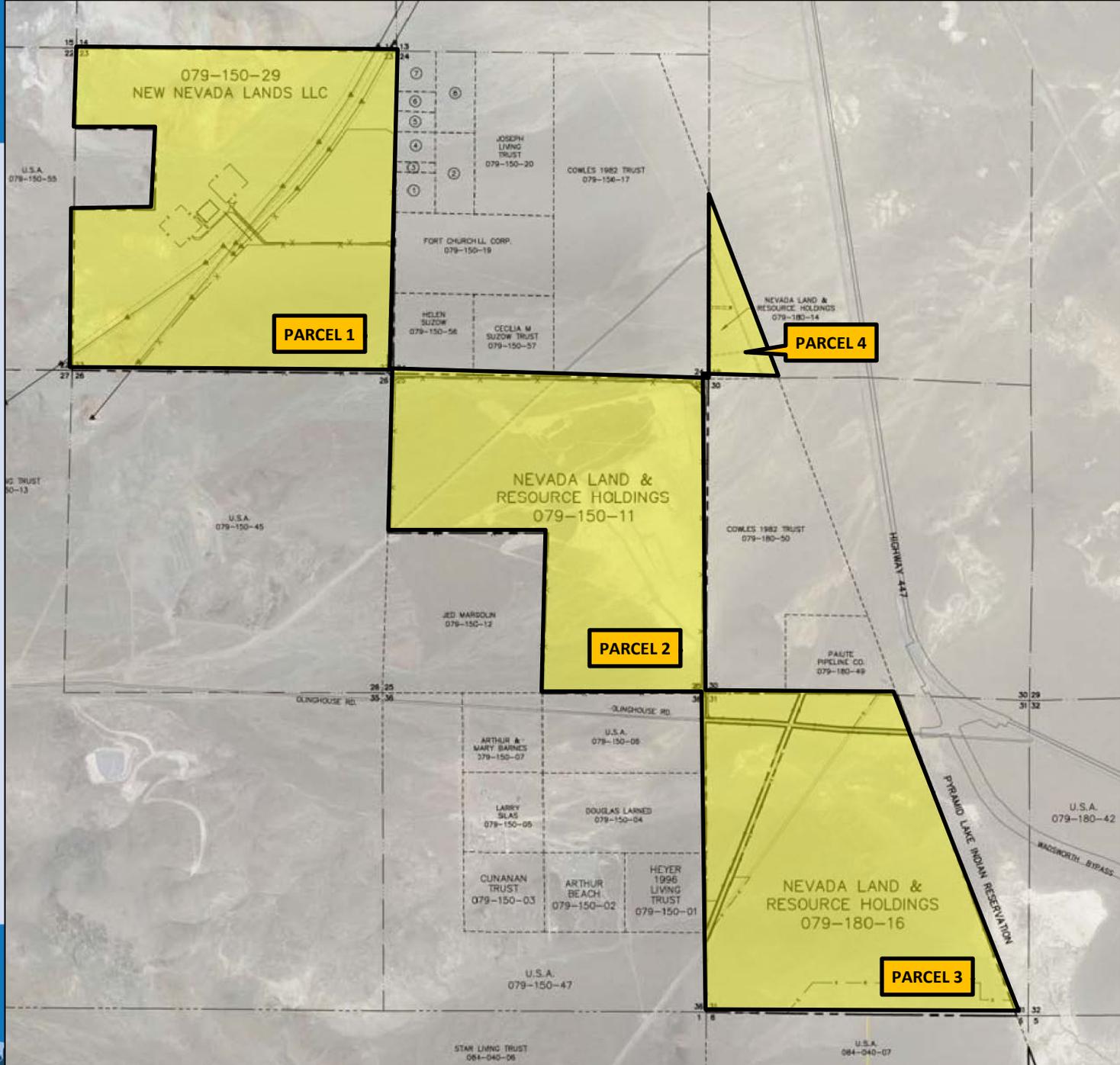
Possible Motion

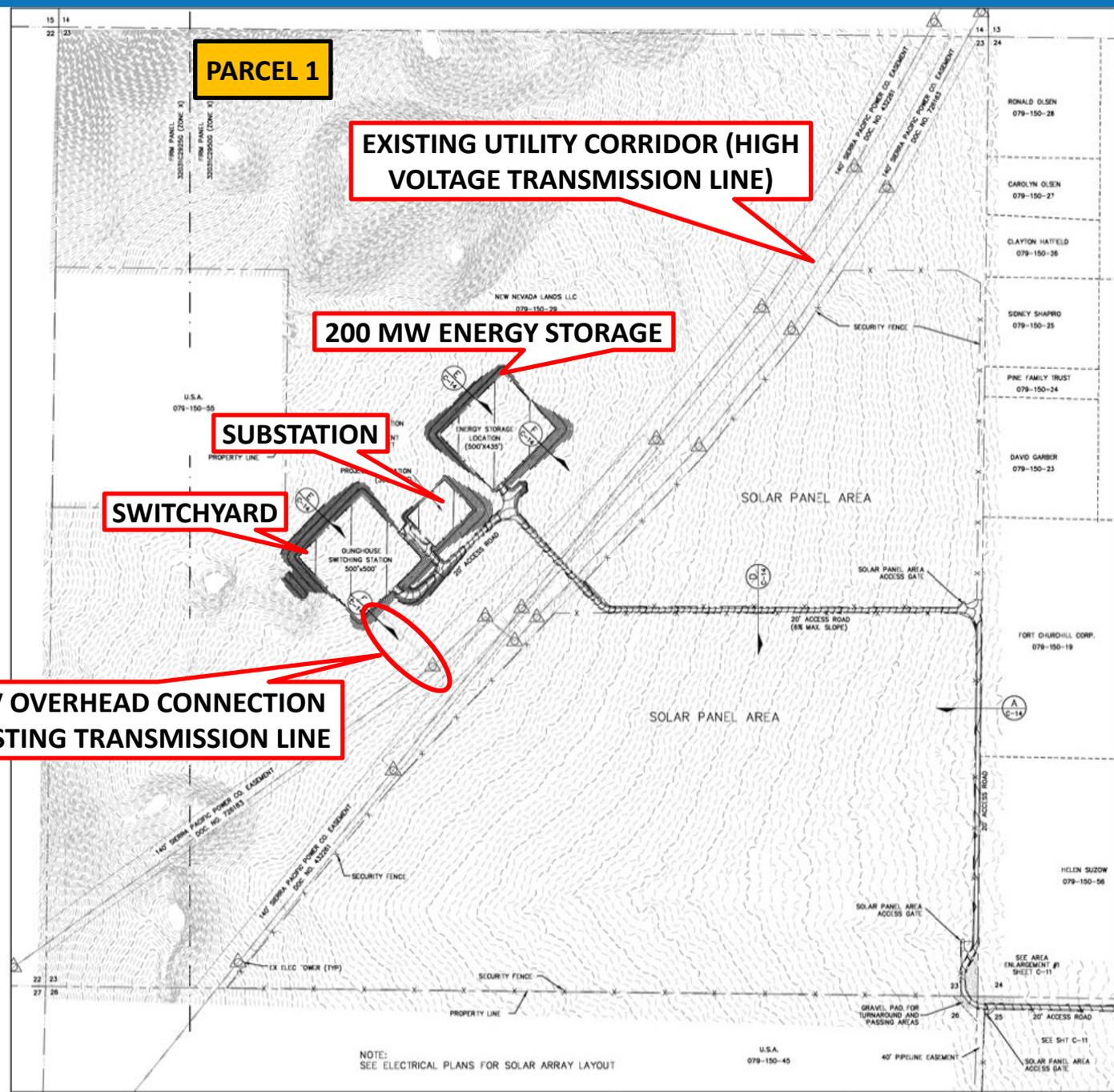
“Move to approve a resolution sponsoring an amendment to the 2012 Truckee Meadows Regional Plan, pursuant to NRS 278.0272(7), to update the Existing Utility Corridors (South) map to include: (1) A 200 MW solar energy center (containing a $\pm 1,200$ -acre solar field, switchyard, 200 MW energy storage system, and new substation) northwest of Wadsworth; and (2) A short 345 kV overhead transmission line connection on APN 079-150-29 from the project switchyard to an existing 345 kV transmission line as part of a Project of Regional Significance known as the Dodge Flat Solar facility provisionally approved by Washoe County as part of Special Use Permit WSUP17-0021 and Administrative Permit WADMIN17-0010; and authorize the Chair to sign the resolution of behalf of the Board.”



ADDITIONAL DETAILS ...







PARCEL 1

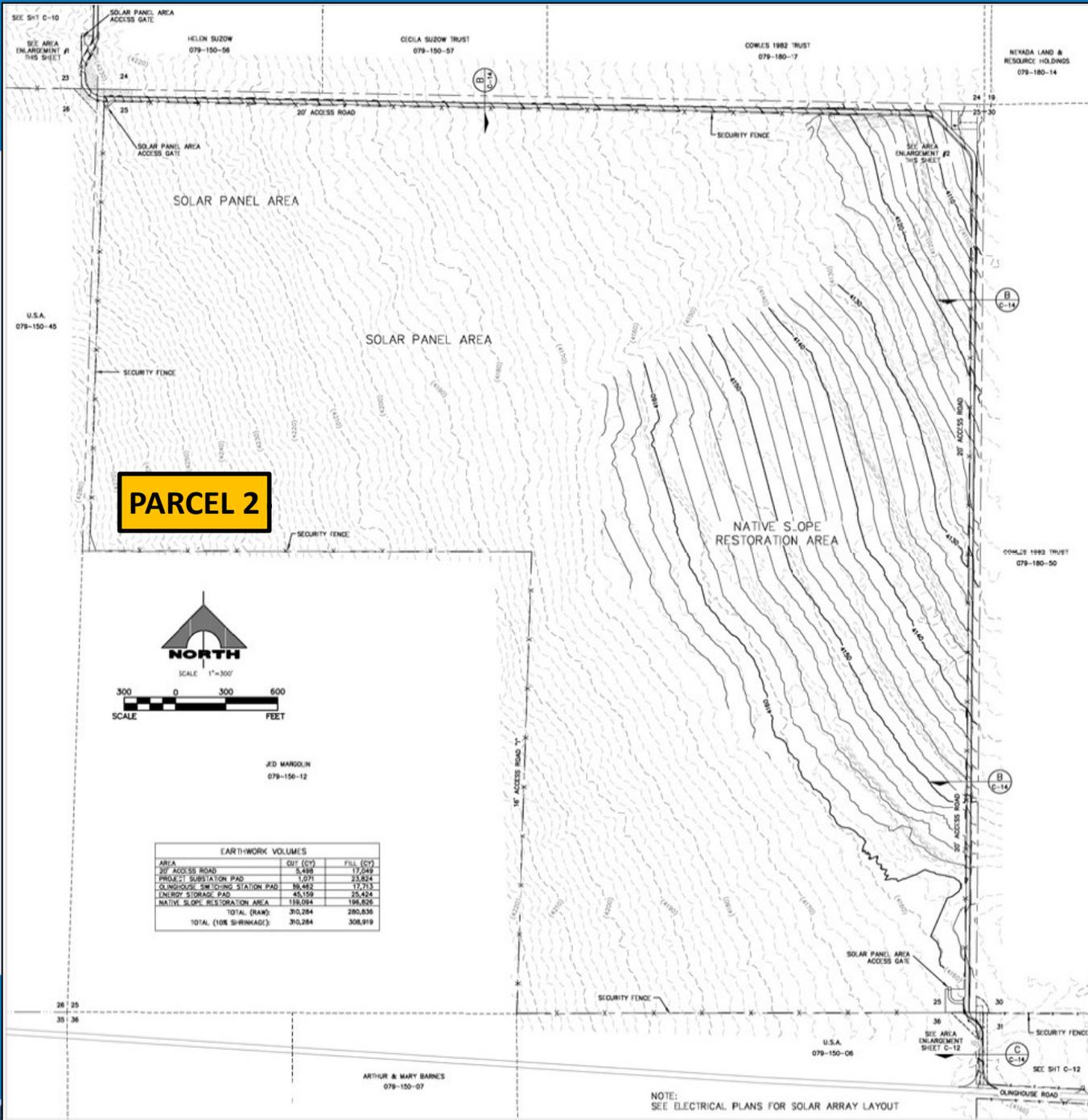
EXISTING UTILITY CORRIDOR (HIGH VOLTAGE TRANSMISSION LINE)

200 MW ENERGY STORAGE

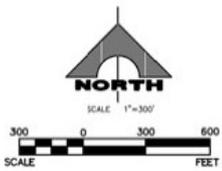
SUBSTATION

SWITCHYARD

345 KV OVERHEAD CONNECTION TO EXISTING TRANSMISSION LINE



PARCEL 2

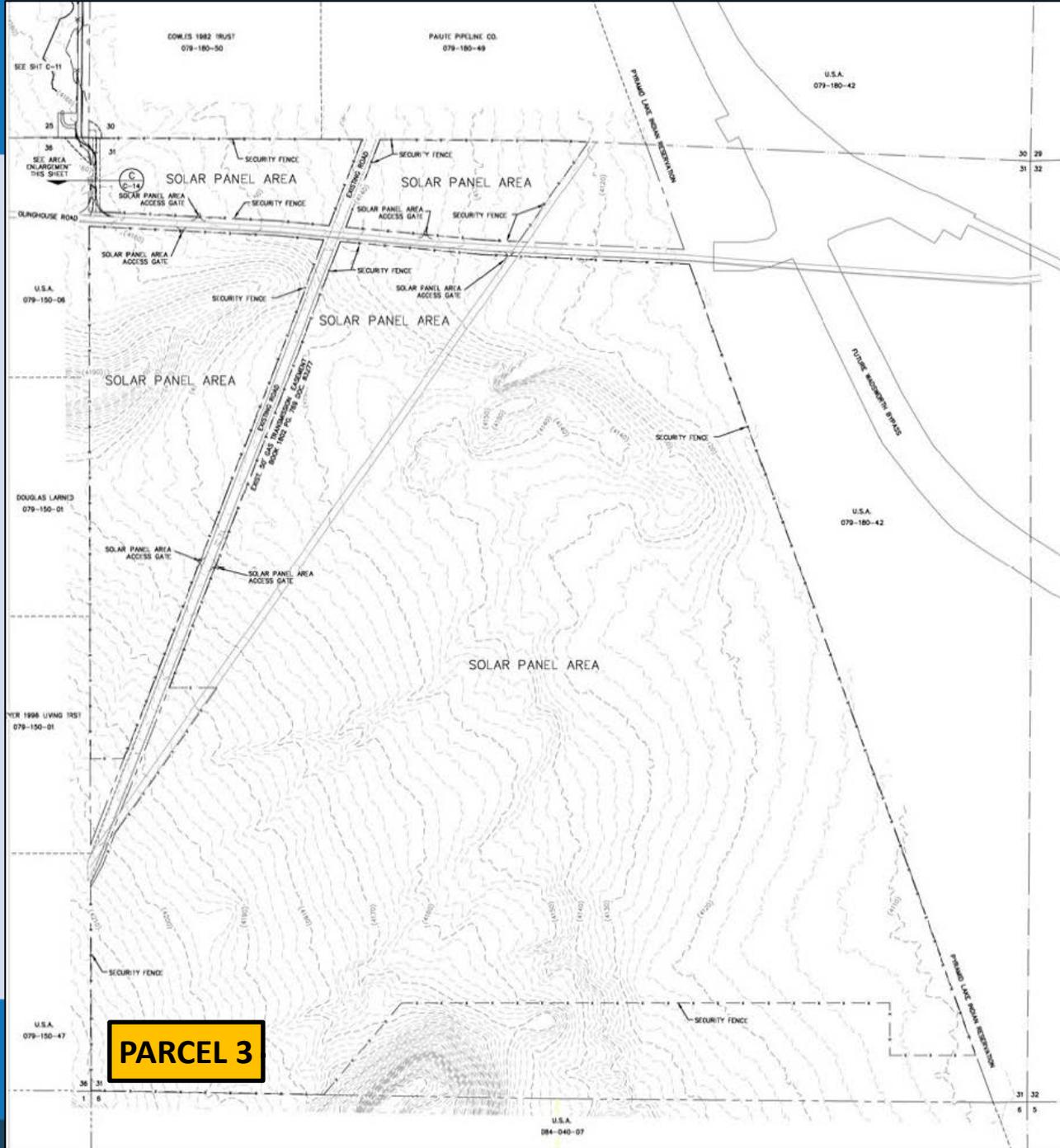


JED MARGOLIN
079-150-12

EARTHWORK VOLUMES		
AREA	CUT (CY)	FILL (CY)
20' ACCESS ROAD	5,488	17,549
PROJECT SUBSTATION PAD	1,071	23,824
OLINGHOUSE SM CHANG STATION PAD	39,462	17,213
OLINGHOUSE STORAGE PAD	45,159	24,624
NATIVE SLOPE RESTORATION AREA	159,094	198,626
TOTAL (RAW)	310,284	280,836
TOTAL (10% SHRINKAGE)	310,284	308,919

ARTHUR & MARY BARNES
079-150-07

NOTE:
SEE ELECTRICAL PLANS FOR SOLAR ARRAY LAYOUT



PARCEL 3



Example Solar Panels





Site Photo





Site Photo





Photo Simulation



**Looking northwest from intersection of
Olinghouse Rd and SR 447**





Existing Conditions

- **Remote, rural area**
- **Low brush/grasses; average 2-3% slope; 6% on NW parcel**
- **Sparsely populated**
- **Limited development nearby**



Project Benefits

- **Augment northern NV renewable power supply**
- **Facilitate grid reliability during peak demand**
- **Produce approx. 500,000 MW-hours annually**
- **Reduce 510,000 tons CO₂ annually**
- **500 jobs during construction**
- **10 FT off-site jobs once project complete**
- **At build-out: largest solar energy storage facility in U.S. (*Source: NextEra Energy*)**



Possible Motion

“Move to approve a resolution sponsoring an amendment to the 2012 Truckee Meadows Regional Plan, pursuant to NRS 278.0272(7), to update the Existing Utility Corridors (South) map to include: (1) A 200 MW solar energy center (containing a $\pm 1,200$ -acre solar field, switchyard, 200 MW energy storage system, and new substation) northwest of Wadsworth; and (2) A short 345 kV overhead transmission line connection on APN 079-150-29 from the project switchyard to an existing 345 kV transmission line as part of a Project of Regional Significance known as the Dodge Flat Solar facility provisionally approved by Washoe County as part of Special Use Permit WSUP17-0021 and Administrative Permit WADMIN17-0010; and authorize the Chair to sign the resolution of behalf of the Board.”